

BRIER HILL
REFERENCE
❀ BOOK ❀



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THE BRIER HILL REFERENCE BOOK

PRICE \$3.00

THE BRIER HILL STEEL CO.
GENERAL OFFICES
YOUNGSTOWN, OHIO, U.S. A.

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THE
BRIER HILL STEEL COMPANY
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FOREWORD

THE Brier Hill Reference Book contains all of the tables and data which the purchaser of Blooms, Billets, Slabs, Bars, Plates, Sheets or Roofing finds it necessary to consult.

A pictorial story of the making of steel from ore to finished product, and additional information of special interest to users of steel is included.

We have endeavored to make this edition a textbook rather than a catalog.



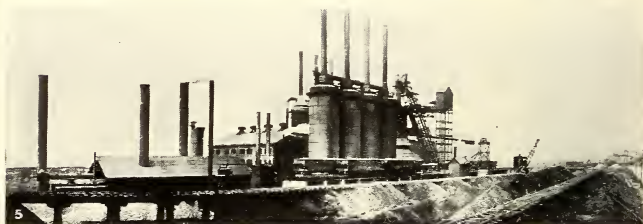
COKE WORKS, BRIER HILL, PA.



BY-PRODUCT COKE PLANT,
YOUNGSTOWN, OHIO



JEANNETTE FURNACE,
YOUNGSTOWN, OHIO



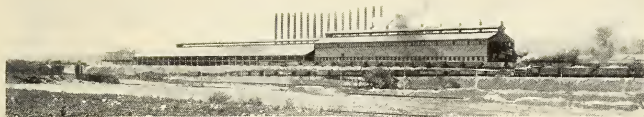
GRACE FURNACE, YOUNGSTOWN, OHIO



TOD FURNACE, YOUNGSTOWN, OHIO



OPEN HEARTH PLANT, YOUNGSTOWN, OHIO



ROLLING MILL, YOUNGSTOWN, OHIO

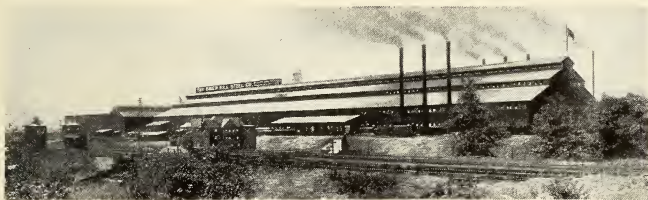


PLATE MILL, YOUNGSTOWN, OHIO



THOMAS PLANT, NILES, OHIO



EMPIRE PLANT, NILES, OHIO



WESTERN RESERVE PLANT, WARREN, OHIO

THE BRIER HILL STEEL COMPANY

PRODUCERS OF

COAL, LIMESTONE

ORE

BEE-HIVE AND BY-PRODUCT COKE

TAR, AMMONIUM SULPHATE,

BENZOL, TOLUOL,

XYLOL

BASIC AND BESSEMER PIG IRON

LOW PHOSPHORUS PIG IRON

WASHED METAL

BLOOMS, FORGING AND RE-ROLLING

BILLETS AND SLABS

SHEET, TIN AND MERCHANT BAR

SHEARED PLATES

BLACK AND GALVANIZED SHEETS

BLUE ANNEALED SHEETS

SINGLE- AND DOUBLE-PICKLED SHEETS

DEEP DRAWING STOCK

NICKEL-PLATING AND ENAMELING STOCK

SPECIAL FINISH SHEETS FOR

AUTOMOBILE AND FURNITURE MANUFACTURE

FORMED ROOFING AND SIDING

THE BRIER HILL STEEL COMPANY

FORMAL organization of the Brier Hill Steel Company was effected on January 29, 1912, being a consolidation of independent blast furnace and rolling mill interests that have been prominent in the iron and steel industries in the Mahoning Valley for many years.

At the time of its organization, the company's works included two blast furnaces at Youngstown and extensive sheet mill facilities at Niles, about nine miles west. The two blast furnaces at Youngstown are known as the Grace and Tod stacks and were controlled, respectively, by the Brier Hill Iron & Coal Co. and the Youngstown Steel Co.

The Brier Hill Iron & Coal Co. is one of the oldest iron manufacturers in this part of the country, the original organization dating back to 1838. At that time it was known as the Akron Mfg. Co. and was incorporated for the purpose of manufacturing iron, steel, nails, stoves, pig iron and castings of all kinds. In 1859 the office of the Akron Mfg. Co. was moved to Brier Hill, Ohio, and the name changed to the Brier Hill Iron Co. At that time the company acquired a blast furnace, of seventy-five to eighty tons of pig iron per week capacity, located in Brier Hill, which was rebuilt later and named the Tod Furnace, by which name it is still known. In 1867 the Brier Hill Iron Co. was merged into the Brier Hill Iron & Coal Co., which was incorporated for manufacturing pig iron and merchant iron and for the mining of coal. A coal mine was situated in Brier Hill and the fuel was delivered to the blast furnace, a short distance away, by means of tram cars, drawn by mules. In 1882 the capital stock and productive capacity of the company were increased and the Grace Furnace was erected in 1890.

The Youngstown Steel Company was founded in 1882. The first plant of the company, a small foundry for the making of steel castings, was built on what was, at that time, known as the flats, near the plant of the William Tod Co. One year after the or-

ganization, the company built a plant in connection with the Tod Furnace, owned by the Brier Hill Iron and Coal Co., for the manufacture of washed metal. The plant was built in connection with the furnace in order to eliminate the cost of remelting and for improving the quality of the finished product. In 1890 the Youngstown Steel Co. purchased the Tod Furnace and the adjoining property from the Brier Hill Iron & Coal Co. and increased its washed metal making capacity.

Previous to the introduction of the basic open-hearth process into the United States, washed metal was the most essential constituent entering into the production of high grade boiler plates. Since the development of the acid open-hearth steel, new fields have been opened up for the use of this metal, including the recarburization of crucible steel and making of certain high grade steels in electric furnaces. The Tod Furnace was rebuilt by the Youngstown Steel Co. in 1890 and its daily capacity considerably increased.

The Brier Hill Iron & Coal Co. acquired extensive coal property in Western Pennsylvania and built a plant for the making of Connellsville coke in connection with the coal mines. It was the above-mentioned properties, together with the two sheet rolling mills, located at Niles, Ohio, that formed the nucleus around which the present organization of the Brier Hill Steel Co. was built. The sheet mills included the Thomas Works, formerly operated by the Thomas Steel Co., and the Empire Works, controlled by the Empire Iron & Steel Co., and were equipped to roll sheet steel products of all kinds as well as to produce a high quality of galvanized steel sheets and formed roofings and sidings.

Although at the time of the organization, the Brier Hill Steel Co. was well equipped with blast furnaces and finishing mills, it lacked the steel-making capacity necessary to make it a self-contained unit. The interests associated with the company also owned valuable ore mines in the Lake Superior district, and extensive coal fields, bee-hive coke ovens and limestone deposits in Western Pennsylvania. In order to fill the gap in the manufacturing facilities, plans to

build an open-hearth steel plant and rolling mill were included in the original scheme of organization.

Land for the new plant was available, a number of acres along the Mahoning River, adjacent to the blast furnaces, having been purchased about twenty years before. Work on an open-hearth plant was commenced in 1913. The equipment consisted of seven open-hearth furnaces and a six hundred ton mixer, together with the necessary gas-producers and pouring and charging devices. A rolling mill, with a capacity for handling twenty-two hundred tons per day, was built at the same time and on February 7, 1914, the first ingot passed between the rolls. The rolling mill, in addition to producing semi-finished, open-hearth steel for the finishing mills at Niles, was prepared to roll billets, blooms and slabs for the open market. In 1914 the open-hearth plant was increased to twelve furnaces with a capacity equal to that of the rolling mill.

In December, 1916, the purchase of the Western Reserve Steel Company's plant at Warren, Ohio, was consummated, increasing the number of sheet mills to twenty-eight and giving the company a greater producing range in the sizes of sheet steel.

The erection of a complete by-product coke plant took place in 1917. This plant consists of eighty-four by-product coke ovens, an ammonium sulphate plant, and complete equipment for the recovering of benzol, toluol, xylol, naphthalene, etc. Immense quantities of commercial tar and gas are also recovered by this process, the latter being used as fuel in the various plants.

In 1918 the Jeannette Furnace was blown in, increasing the pig iron producing capacity by five hundred tons per day. During the same year, a huge concrete ore yard, of one million tons storage space, was erected and a travelling ore bridge and car dumper equipment, capable of unloading one hundred fifty cars per day, were installed.

The purchase of considerable acreage, immediately west of the original property, provided adequate space for expansion, and in the fall of 1917, the erection of the Brier Hill Plate & Jobbing Mills was commenced. One year later the first plate was rolled on this mill. The building in which this unit is contained

bears the distinction of being the largest mill building, under one roof, in this country. The plate rolling equipment is composed of one 84" three-high mill and one 132" mill of the same type, each unit having its full complement of continuous furnaces, roller tables, levellers, shears, scales, etc. This plant produces sheared plates of all description, ranging from $\frac{7}{16}$ " to 2" in thickness, and widths up to and including 120". A number of original engineering ideas were incorporated in the building of this plant, making it one of the finest of its kind in the world, with a monthly capacity of more than thirty-five thousand tons.

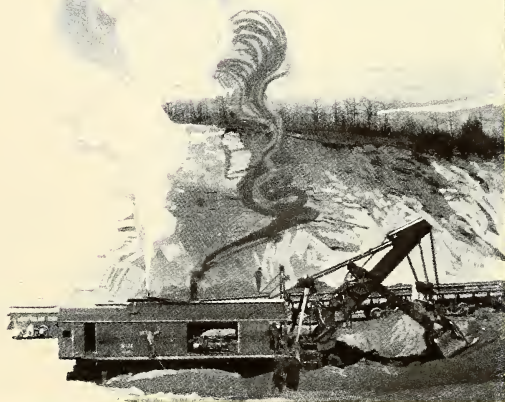
The recent acquisition of additional ore mines and coal fields places the Brier Hill Steel Co. practically independent of the open market for requirements of raw materials, for an indefinite period.

The company also operates in connection with the Tod Furnace a washed metal plant having a capacity of one hundred fifty tons per day. This is the only plant of its kind in the United States. The process which removes the silicon, manganese, sulphur and phosphorus, produces the highest grade of recarburizing metal known, and this metal is, also, one of the most important elements entering into the manufacture of high grade tool steel, electric crucible steel, etc.

The blast furnaces, by-product coke plant, steel works, rolling mill and plate mill are situated on a tract of land of approximately two hundred fifty acres, lying on the north bank of the Mahoning River at Youngstown, Ohio. The Thomas and Empire Works are located on the banks of the same river at Niles, about nine miles west, and the Western Reserve plant is about five miles farther west, at Warren, Ohio.

The products of the company include the following: Coal, limestone, ore, bee-hive and by-product coke, tar, gas, sulphate of ammonia, benzol, toluol, xylol, light and heavy solvent naphtha, naphthalene, washed metal, basic and bessemer pig iron, low phosphorous pig iron, forging and rerolling billets, forging and rerolling slabs, sheet and tin bar, sheared plates, blue annealed, black and galvanized sheets, formed roofing and siding, single and double pickled sheets automobile and furniture stock, deep drawing stock, etc.

IRON ORE MINES AND MINING

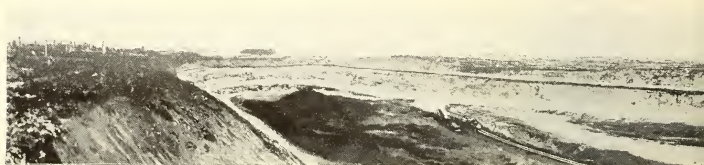




BIWABIK MINE



PENNINGTON MINE



DUNWOODY MINE

ALL forms of iron and steel, whether the finest spring of a watch or the gigantic steel frame work of our modern sky-scraper, emanate from a common source—iron ore. Eighty-four and one-half per cent of the iron ore found in this country comes from the Lake Superior district and is in iron producing quality, the finest found anywhere in the world.



THE Biwabik, Pennington and Dunwoody Mines, operated by the Brier Hill Steel Company, are situated in this district which furnishes to the iron and steel industries over 67,000,000 tons of ore annually. When viewing these vast ranges of reddish brown ore, it is difficult to imagine the potential possibilities of this important asset of our national wealth.



DIGGING ORE WITH STEAM SHOVELS

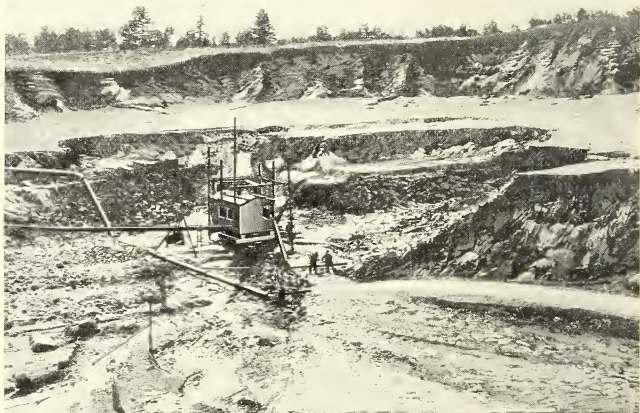
IRON ore is divided generally into four classes; red hematite, brown hematite or limonite, magnetite and carbonate and range according to the amounts used in the United States in the order given.

A large proportion of iron ore is found so close to the earth's surface that it can be won by merely stripping off the outer layer of earth and removing it with steam shovels. This method of recovering the ore is known as strip mining and has served to bring about the development of our present powerful engineering machinery. A steam shovel, capable of loading seventy-five hundred tons of ore in a day, is an admirable example and without which the building of the Panama Canal would have been impractical.



SHAFT MINING

IT is frequently necessary to sink shafts to a considerable depth, compelling the installation of elaborate and expensive machinery. This process is much more costly than strip mining, as the production is considerably less. However, the mines of the Lake Superior district are almost entirely of the strip variety as nature was kind enough, when placing the ore, to leave it so close to the earth's surface that the sinking of shafts was entirely unnecessary.



HYDRAULIC MINING

SOME ores are found combined with clay and rock, making their recovery extremely difficult except by the process known as Hydraulic Mining. This consists of playing powerful streams of water upon the ore bed, as shown in the illustration.

The force of the water gradually wears the entire structure away, while the heavy ore sinks to the bottom, allowing the lighter clay and other refuse to be washed away.



ORE CRUSHERS

SMALL dump cars are used to convey the ore from the mines and fields to pockets, similar to those used in coal mining practice from which it is automatically dumped into waiting railway cars for removal to the dock.

The ore is frequently taken from the mine in large lumps which must be broken up to facilitate handling. The electrically operated crusher shown above crumbles the ore and, through a series of screens, grades it according to size. It passes through chutes into railway cars for transportation.



ORE TRAINS TRANSPORTING ORE TO DOCKS

THE cars used for transmitting the ore to the dock are the fifty-ton steel hopper type, arranged to empty through the bottom. Some docks, however, are equipped with a huge tilting mechanism which tips the whole car, unloading it much more quickly and with a great saving of labor.

Before unloading, the cars are weighed while in motion by a special scale which automatically records the weight of each, thereby eliminating congestion which must necessarily result from the stopping of the train for each car.



HANDLING EQUIPMENT AT DOCKS

THE necessity for speed and economy in transferring the ore from the cars to ore boats has brought about the installation of elaborate machinery at both shipping and receiving ends. When the cars reach the dock they are conveyed on trestle work to a position over the bins high above the dock, where their burden of ore is emptied into the bins or receiving pockets ready to be transferred to the ore boats. From these pockets it is fed through chutes into the hold of the vessel by gravity. A loading record of 12,032 tons in 125 minutes was established in 1917.



HANDLING EQUIPMENT AT DOCKS

THE docks shown above are wide enough to accommodate four tracks on top. The ore is dumped into pockets holding about 350 tons each, from which it flows through chutes into the ore vessel at the rate of 100 tons a minute. The boats used to haul the ore to the lower lake ports are especially constructed for the iron ore trade, being merely steel shells with quarters for crew and machinery at bow and stern, the hatches built with exact twelve-foot centers between. This provides a maximum of storage space as well as permits ease of unloading when the vessel reaches its destination.



ORE BOATS EN ROUTE

LARGE steam shovels, ore boats, gravity docks and unloading and coaling devices, together with the low cost of water transportation, have made our modern iron and steel preeminence possible. The importance of our lake transportation can best be realized by the comparison of lake and rail rates, lake rates in the past having been as low as \$.0007 per ton per mile, while, at the same time, the rail rate was \$.005 or more than seven times as much.

The claim is made for these boats that they will carry a ton of ore one mile using only one ounce of fuel.



RECEIVING DOCKS AND STOCK PILES

ALTHOUGH the boats are loaded by gravity, it is necessary to remove the cargo by mechanical means. Traveling grab buckets with a capacity of seventeen tons, remove the ore from the vessel's hold and deposit it in stock piles or waiting railway cars for transportation to the blast furnaces.

On account of ice and weather conditions, lake navigation is suspended for about five months in each year. In order to provide sufficient ore for a twelve month run of the blast furnaces, stock piles are accumulated at the mines, receiving docks, lake ports and blast furnaces.

BEE HIVE COKE





PANORAMIC VIEW, BEE HIVE COKE OVENS



BEE HIVE OVENS



POWER PLANT, BEE HIVE OVENS

COKE, which is one of the most important fuels used in the manufacture of iron and steel, has entirely taken the place of coal for melting purposes, on account of its cheapness and because of the fact that it melts more quickly.

Bee Hive Coke is made in ovens, similar in shape to a bee hive, having no opening other than a door at one side used to regulate the draft and draw the completed coke off, and a trunnel head or round hole at the top which permits the escape of gases and smoke, and through which the coal is charged.

The coal is conveyed from a tippie in iron lorries or wagons with bottom or side discharges. They run on a broad-gauge railroad track, laid on top of the ovens and are hauled either singly by mules, in trains by small locomotives, or are electrically driven.

The coal falls into the oven in pyramidal shape and is ignited from the heat of the walls, the oven being charged directly after it is drawn and while still hot from the burning of the last coke.

The burning continues for forty-eight or seventy-two hours, the fire being regulated by increasing or diminishing the opening in the door on the side of the oven.

The floor of the oven is solid and the air which supports the combustion is admitted at or over the surface, producing an action more in the nature of distillation than combustion.

When the coking period is completed, streams of water are played over the glowing mass to extinguish the fire. It is important that the water be introduced at the right time as considerable loss of coke will result from overburning. After cooling somewhat, the coke is withdrawn from the oven by means of hooks and the fire entirely extinguished, preparatory to transportation to the blast furnace.

BY-PRODUCT COKE

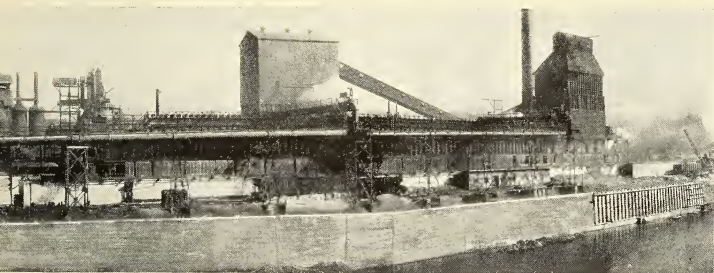




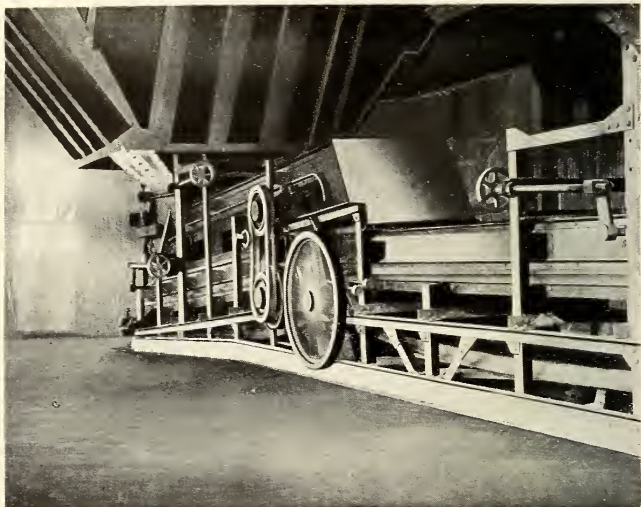
PANORAMIC VIEW, BY-PRODUCT COKE PLANT



BY-PRODUCT COKE OVENS

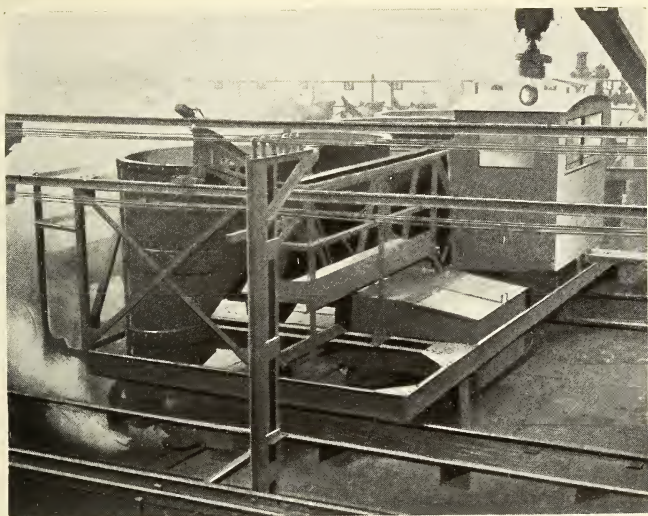


IN 1713 coke was first introduced as a substitute for the fast disappearing charcoal that was being used exclusively for fuel at that time. Coke is now recognized as the standard fuel for smelting iron ores. The invention of the by-product method of producing coke has practically revolutionized this industry. By this process certain properties, which have heretofore been wasted, are recovered, resulting in a considerable saving to the manufacturer. In addition to its economic value, this system makes it possible to produce a standard grade of coke, with known chemical and physical properties, close to the blast furnace.



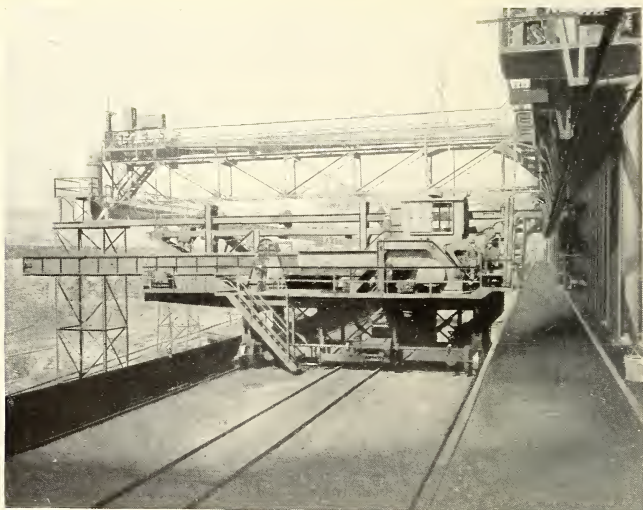
COAL CRUSHER

IN the bee-hive process lump coal is used, but in order to obtain the best results in the by-product method, the coal is first crushed so fine that seventy-five per cent of it must pass through a $\frac{1}{8}$ " screen. The lump coal is conveyed from the cars to a Bradford breaker which removes all foreign substances such as wood, stone, slate, etc., and breaks the lumps down to pass through a $1\frac{1}{2}$ " screen. From this machine the coal passes to a Hammermill breaker, which completely crushes it and thoroughly mixes the various kinds before it is conveyed to the charging bin, located over the ovens.



CHARGING OF OVENS

THE charging lorry shown here contains a sufficient charge for one oven and receives its supply of pulverized coal from the charging bin. It travels over the top of the entire battery of ovens, refilling each as soon as the completed charge has been withdrawn.

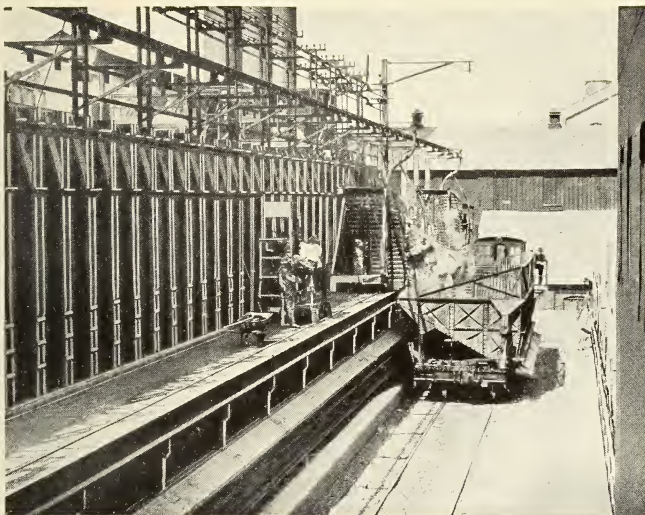


DRAWING OFF THE COMPLETED COKE

REDUCED to its simplest elements, a by-product coke plant is nothing more than a brick chamber surrounded by heating flues and provided with a pipe through which the products of distillation may be led off.

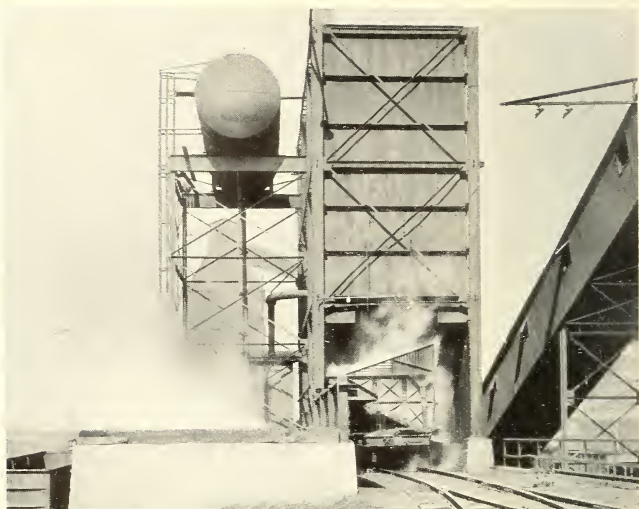
The coke chamber consists of a long narrow retort of silica brick, a number of which are built side by side to form a battery. There are thirty vertical heating flues on each side of the oven which provide a uniform heat at all points.

Thirty-eight to forty per cent of the gas produced during the making of coke is used to heat the ovens by an ingenious arrangement of the regenerator type.



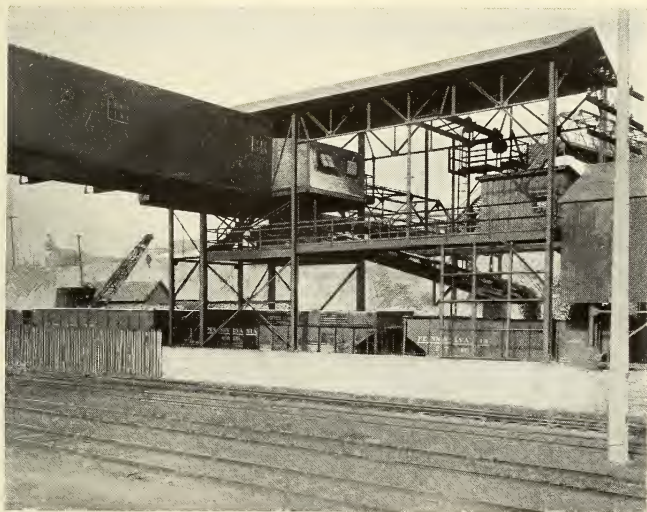
DRAWING OFF THE COMPLETED COKE

THE duration of the coking period is considerably less than that required in the bee-hive process. The electric ram, shown on the opposite page, enters the oven at one end, ejecting the entire charge of coke in one glowing block. As it leaves the oven it breaks under its own weight, falling into the quenching car shown above.



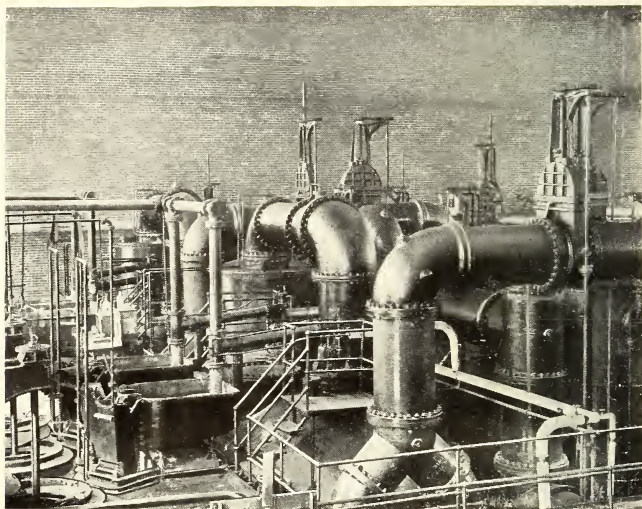
QUENCHING

THE glowing coke is conveyed to the quenching tower shown above, where a deluge of water completely extinguishes the burning mass preparatory to its being loaded into cars. It is necessary that the quenching operation be completed as quickly as possible in order to prevent loss by over burning.



LOADING

FROM the quenching tower the coke is dumped onto a wharf from which it is fed by belts up an incline, where a rotary sieve grades it according to size. A further arrangement of belts loads it into coke cars, one of which is provided for each separate size and which carry it to the blast furnaces.



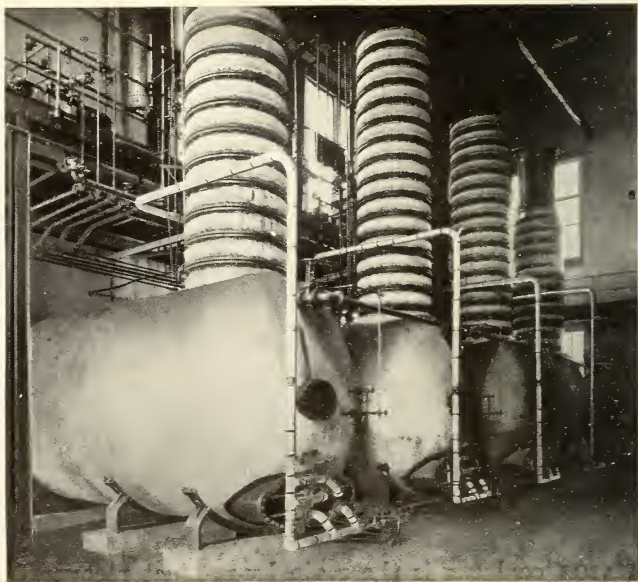
BY-PRODUCT RECOVERY PLANT

TAR, ammonium sulphate, benzol, toluol, etc., are recovered by the aid of intricate machinery. The maze of pipes, valves and vats, shown in the illustration, is a portion of that used in the recovery of these various properties. These products all pass off with the volatile matter that is freed from the coal during the coking period and which is conducted through a large pipe to the distillation plant. After the various properties are separated from the gas, a portion of which is used for heating the ovens, the balance is available for power, illumination or other purposes.



BENZOL PLANT

RICH coal gas is the main by-product recovered. After being washed free from dust, tar, ammonia, etc., it is run into holders or tanks from which it is distributed for use as fuel. Tar, which is the next by-product in importance, is collected in a large main over the tops of the ovens. It flows with the gas to the washers, where, by rather complicated operations, it is freed from other substances. In all, the by-products recovered number many hundreds and include valuable medicines, dyes, flavoring extracts, explosives, lubricants, photo-developing agents, etc.

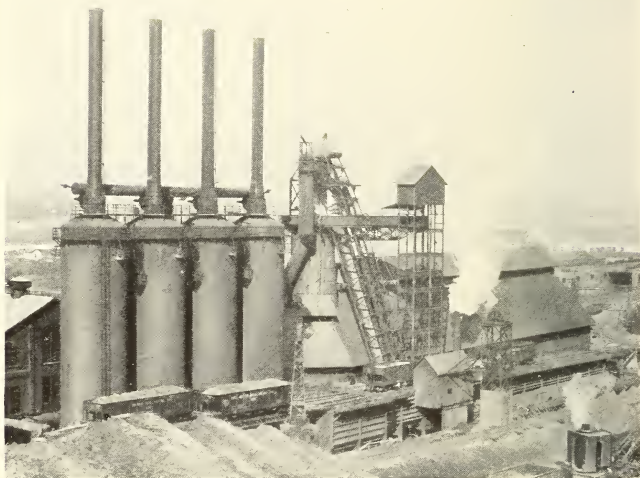


BENZOL PLANT INTERIOR

IN our own By-Product Plant are produced, in addition to Coke, Gas and Tar, the following: Ammonium Sulphate, Light Oil, Crude Solvent Naptha, Napthalene, Benzol, Toluol and Xylol.

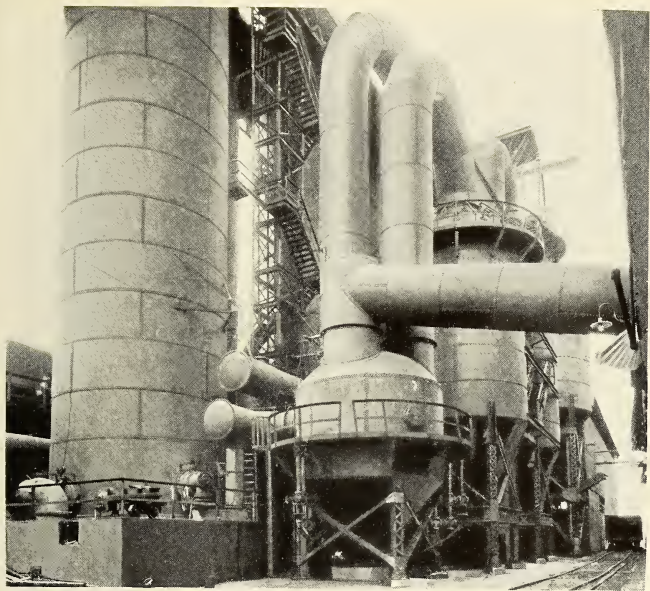
PIG IRON





GENERAL VIEW OF BLAST FURNACE

THE first step in the conversion of iron ore into metallic iron occurs in the blast furnace. The furnace proper, in which the smelting takes place, is about 20 feet in diameter and 80 feet high, and is constructed of a number of courses of fire brick, incased in a shell of plate iron, strongly riveted together to withstand the enormous pressure to which it is subjected.



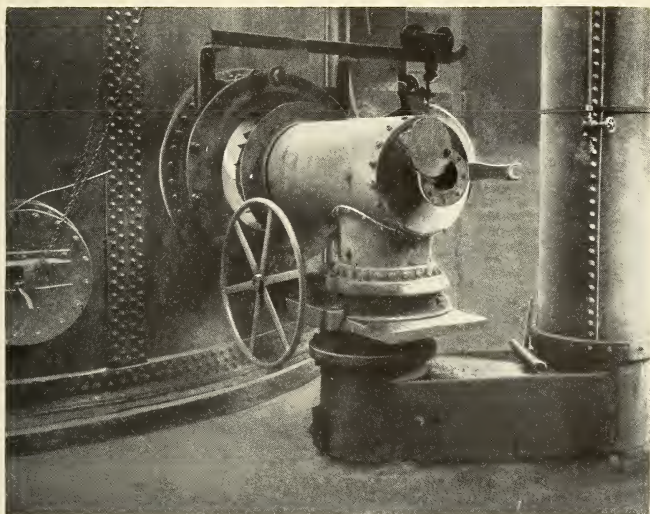
GAS WASHER

A VERY intense heat is necessary to accomplish the melting of the iron ore. Gas, which is produced in the furnace during the melting process, is the fuel used and is conducted from the top of the furnace by means of pipes called "down-comers." The "down-comers" lead into a large tank called a dust catcher and the gas passes from this through a gas washer or scrubber, where the dust and accumulated dirt are removed by passing it through a spray of water. It is then ready for the boilers and hot blast stoves.



ORE BRIDGE AND CAR DUMPER

THE iron ore is conveyed from the mines as described on the foregoing pages and delivered to the blast furnace in hopper cars and is unloaded by the ingenious device shown in the illustration on the extreme right. An immense ore yard, with a capacity of a million tons of ore, is used as storage space for the various kinds of ore from which it is removed by means of the traveling grab bucket, operated from the movable ore bridge, also shown above. The various kinds of ore, which determine the quality of the pig iron, are placed, in exact quantities, in a transfer car, which travels on a runway connecting the three blast furnaces. The transfer car delivers the ore into bins where further mixing is accomplished. From the bins the ore is received into electric lorry cars which deliver it to the skip hoist. The skip hoist operates on an inclined plane, traveling to the top of the furnace where the various ingredients are charged.



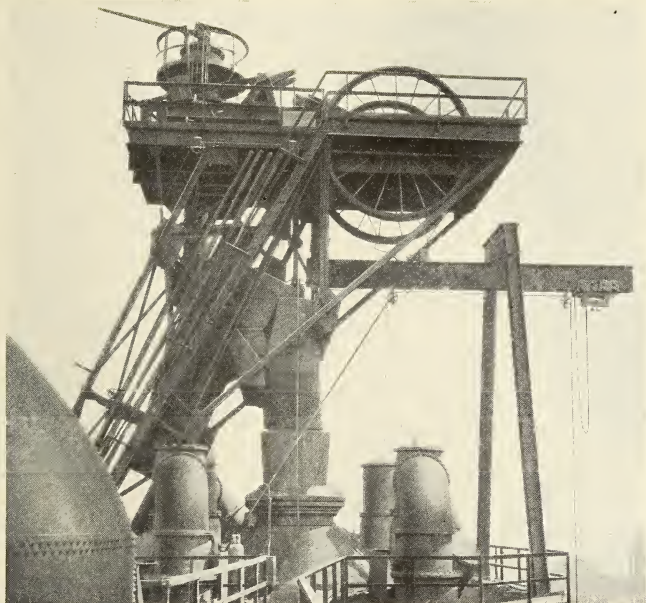
HOT BLAST STOVES

THE raw materials entering into the production of pig iron are iron ore, carbon in the form of coke, and limestone. The gas, as described on the foregoing pages, is recovered from combustion in the furnace and is conducted through the gas washer to hot blast stoves which are lined with a number of courses of fire brick checker work. Powerful blowing engines force pure air through this checker work, heating it to an intense degree and which upon entering the furnace, aids in the combustion of the coke and the smelting of the raw ore.



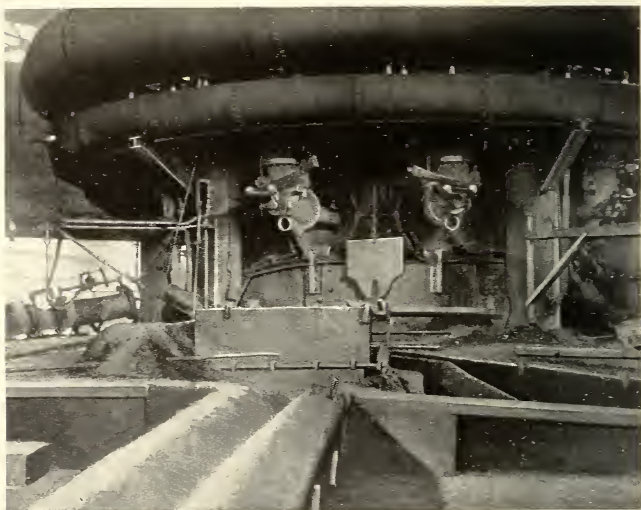
SKIP-HOIST CHARGING

STATED quantities of ore, coke and limestone are placed in the skip-hoist bucket which is raised to the top of the blast furnace on an inclined plane, known as the skip-hoist, and charged in layers into the furnace where the melting takes place. Great care is necessary in introducing the charge in even and successive layers so that the ore will melt and descend steadily and evenly.



CHARGING BLAST FURNACE

THE ingredients, when improperly charged, frequently cake, forming a dome-shaped mass near the top of the furnace. As the ore and coke near the bottom of the furnace become molten and are drawn off, the upper portion gradually weakens and falls, resulting in the loss of a large part of the charge and frequently causing a great deal of damage to the furnace itself.



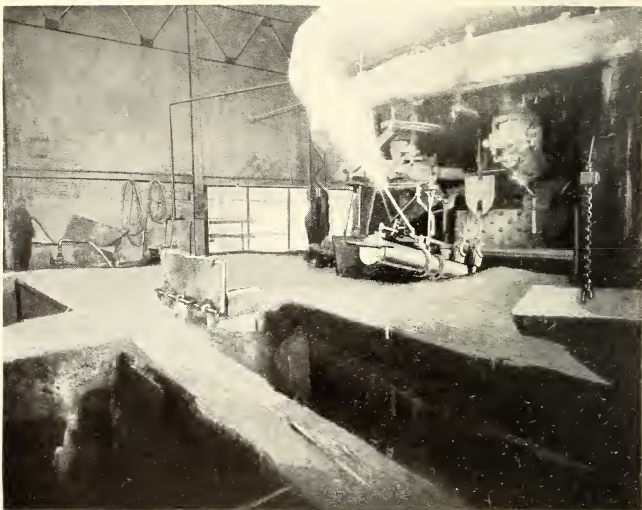
INTERIOR VIEW OF BLAST FURNACE SHOWING TUYERES, ETC.

THE hot blast, which is so important an aid to the combustion of the coke, is introduced into the furnace near the bottom through ports called tuyeres. To enable these ports to withstand the intense heat, they are cooled by a constant stream of water passing through and around them. The photograph gives a good general view of the furnace, showing the tuyeres and the running water for cooling the ports.



POURING PIG IRON

As the melting proceeds, the iron and slag separate, owing to their different specific gravities, the lighter slag floating on top. The furnace is tapped and the iron drawn off. A series of troughs conduct the molten iron to pig iron beds for sand casting, or direct to ladles for open hearth work, when the plant is so arranged that it is to be immediately converted into steel.



PLUGGING THE BLAST FURNACE

WHEN the iron has all been drawn from the furnace, in order to prepare it for the next cast, it is necessary to plug the hole from which the iron is drawn. A "clay gun" operated by steam, hurls clay bullets into this opening at the rate of about ninety a minute, forming an effective barrier against the ever descending metal.



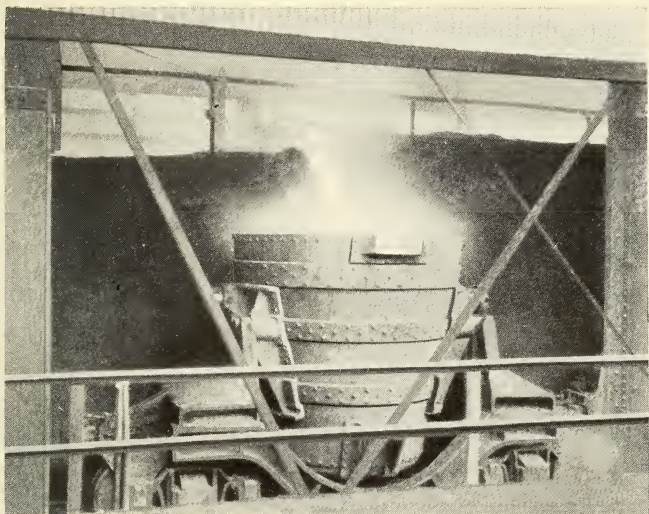
MACHINE OR CHILL CASTING

LATER day practices have brought into use the pig machine shown above, which consists of an endless chain of iron moulds into which the molten pig is poured. These moulds move toward the top of the incline, and during their progress the pigs of iron are deluged with water, which thoroughly cools them. As they reach the top, they are automatically dumped into railway cars ready for shipment. This process is generally known as chill casting.



SLAG BEDS

SLAG, whose chief constituent is limestone, is tapped from the furnace and either allowed to cool gradually, or run while molten into water vats, which granulate it, forming the commercial granulated slag commonly used for road beds and concrete foundations. Steam shovels are employed to remove the slag from the bed and load it for shipment.



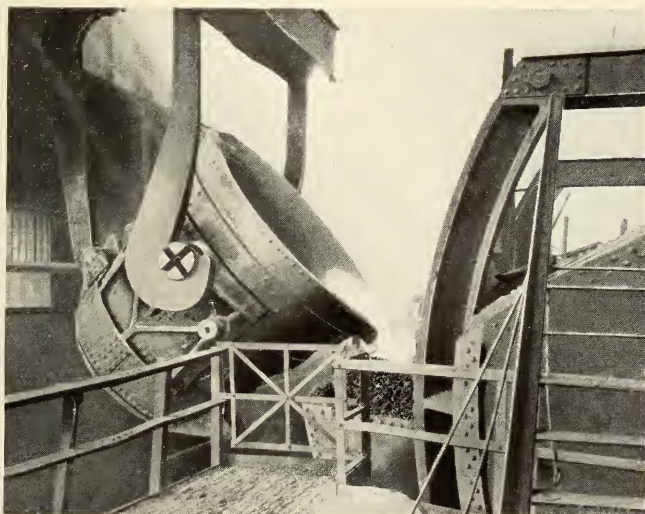
LADLE

THE intensely hot pig iron flows from the cupola through a cast-iron trough lined with heat resisting material, and is emptied into a 45-ton ladle, in which it is carried to the mixer. The ladle is constructed of heavy plate steel lined with fire brick, and must be recoated inside with fire clay after it is emptied before it may be used again.



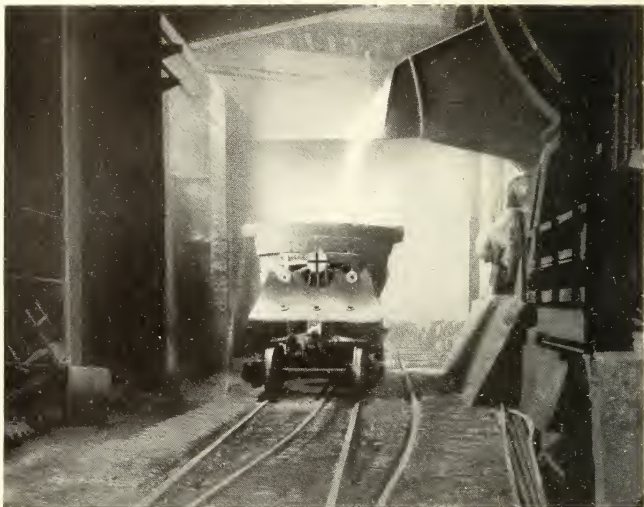
HOT METAL TRAIN TO MIXER

A LARGE percentage of the pig iron produced in our blast furnaces is neither cast in pigs nor chill cast, but is drawn directly into ladles which rest on special cars, a number of which are coupled together and drawn to the steel plant to be emptied, while the iron is still molten, into the mixer.



CHARGING MIXER

THE mixer is a large pear-shaped receptacle having a capacity of 600 tons and may serve one of three purposes: To keep the iron molten until ready for use, to obtain a more uniform composition by mixing the products of a number of blast furnaces, or to effect a certain amount of desulphurization.

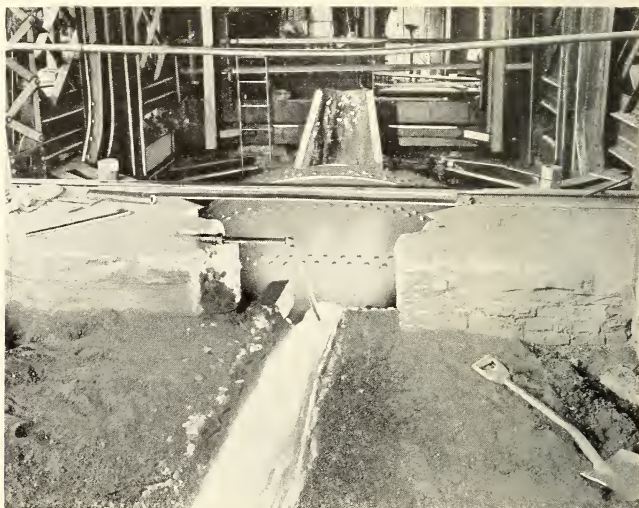


POURING OFF MIXER INTO LADLE CARS FOR O. H. CHARGING

WHEN the charge in the open-hearth furnace is ready to receive the pig iron, the mixer is tilted and emptied into an electrically operated ladle car, which delivers it to the furnace.

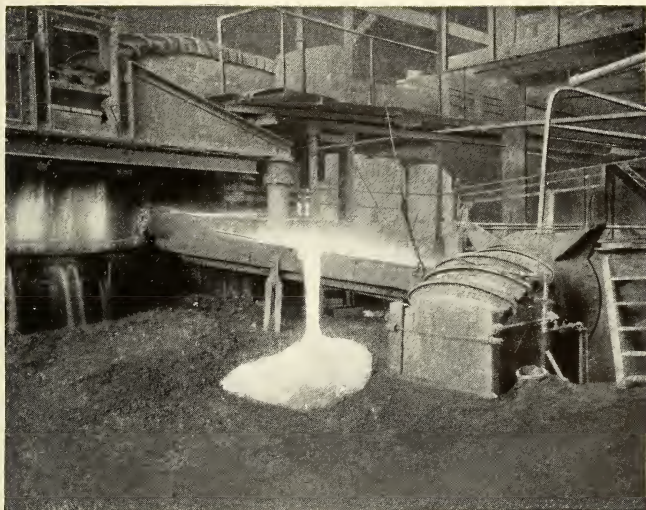
WASHED METAL





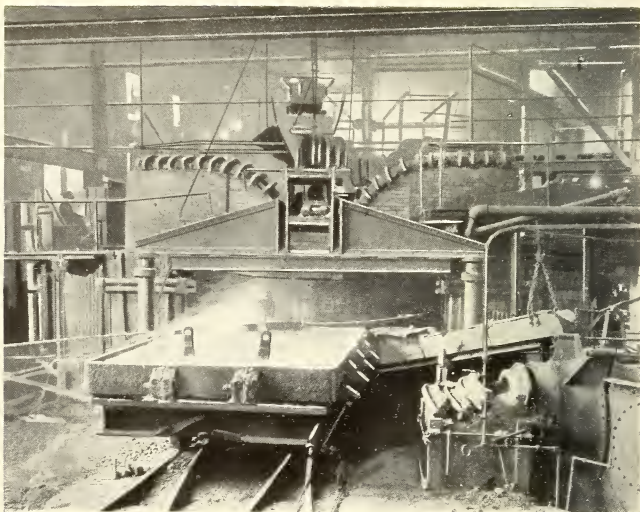
WASHED METAL

THE Brier Hill Steel Company operates the only washed metal plant in the United States. The process may be considered as the sole survivor of the numerous methods attempted for refining crude iron, when the result aimed at was the removal of phosphorous from steel-making pig iron. The washing plant is placed near one of our blast furnaces, which supplies it with molten crude iron, and consists briefly of a reservoir, a Pernot furnace, a reheating furnace and a casting machine.



WASHED METAL

THE reservoir is of fifty tons capacity, and holds sufficient iron to make four washed metal charges. The heat contained in the iron is augmented by an oil burner to keep it molten until ready for the washing process. In the Pernot furnace where the washing takes place, all of the silicon and manganese, 90% to 95% of the phosphorous and 30% of the sulphur are eliminated from the iron.



WASHED METAL

FROM the Pernot furnace the iron is directly cast in a large plate, which is later broken up into handling size chunks, or the metal is conducted to a reheating reservoir, reheated and cast into moulds for shipment. Washed metal is used chiefly by makers of crucible steel, high-grade tool steel and for electric crucible steel.

OPEN HEARTH STEEL



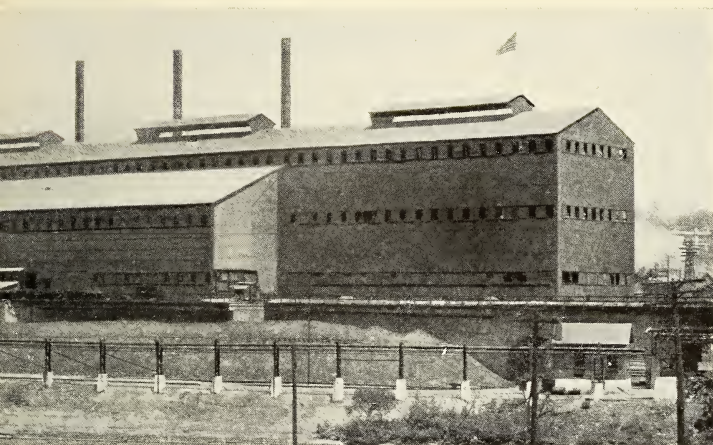


OPEN HEARTH STEEL PLANT



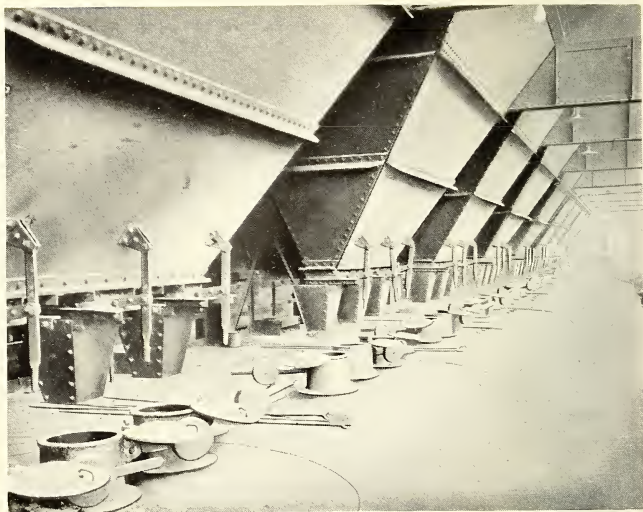
CHARGING FLOOR OF OPEN HEARTH

THE basic open-hearth process of making steel was developed in order to utilize certain grades of scrap and pig iron not suited to the Bessemer process.



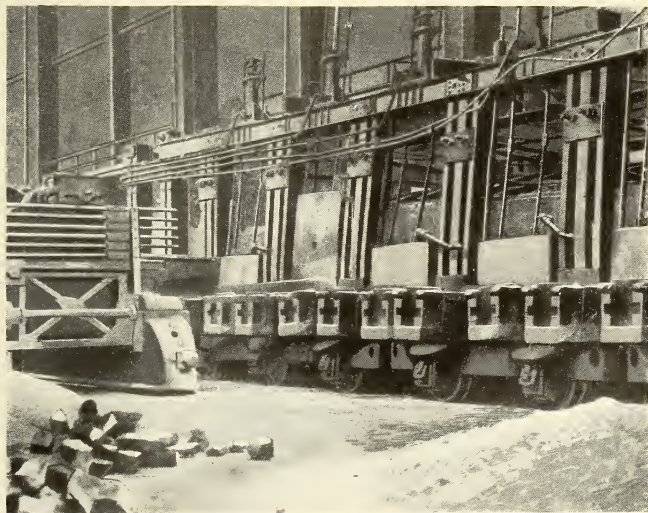
POURING FLOOR OF OPEN HEARTH

THE phosphorus, which has a tendency to produce cold shortness, and sulphur, which causes red shortness, are increased during the Bessemer or crucible processes, whereas in the basic open-hearth method, they are removed.



GAS PRODUCERS

GAS is the fuel which provides the intense heat necessary for melting and refining the metal. A battery of gas producers convert carbon in its natural state as found in coal to carbon monoxide, a highly combustible gas. This gas is mixed with air just as it enters the furnace. A portion of the gas produced by the by-product ovens is also used to heat the open-hearth furnaces.



MECHANICAL CHARGING OF FURNACES

SCRAP iron and limestone are loaded into special wrought iron charging boxes which rest on small cars and are drawn in trains immediately in front of the charging doors.

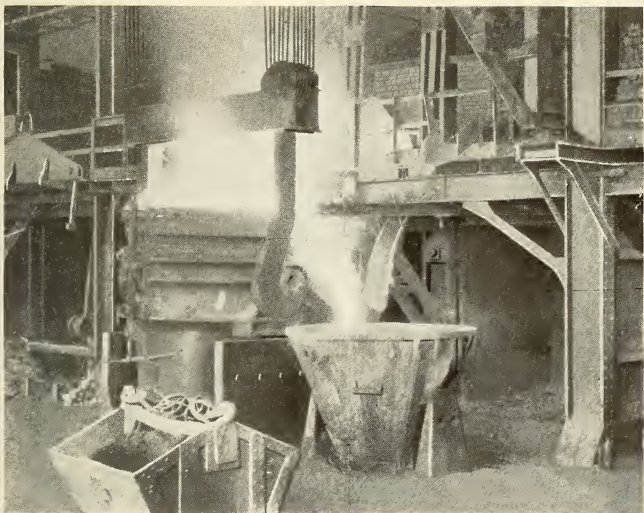
An electric charging machine, shown above, performs the task of placing the scrap iron and limestone in the furnace. Limestone is charged first and spread in a fairly even layer over the bottom.

The scrap iron is next introduced and brought to a moderately high temperature before the molten iron is charged.



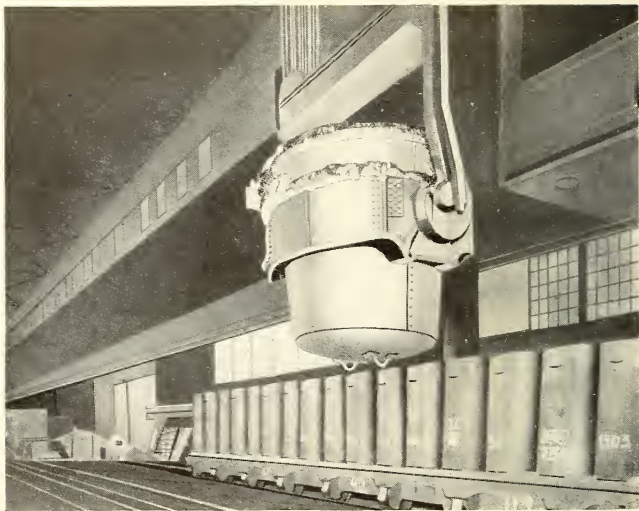
CHARGING MOLTEN IRON

THE hot metal is charged directly to the open-hearth furnace from the ladle, shown on page 56. The car is drawn by an electric locomotive to the charging floor where a crane lifts the ladle and carries it to the furnace. The molten iron is conducted into the open-hearth furnace by a trough placed in position by the charging machine.



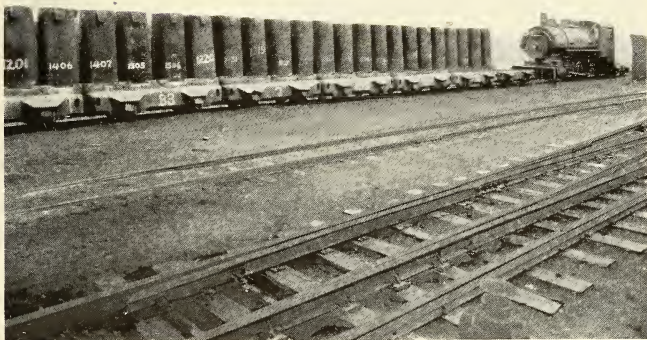
TAPPING THE OPEN HEARTH

As the melting proceeds, samples of the bath are taken from time to time to determine whether or not the charge has reached the proper analysis. The sample is either broken and tested by fracture, or rushed to the chemical laboratory for a "control analysis," the metal being held in the furnace meanwhile. If the results of this test are satisfactory the steel is poured. On the side of the furnace opposite the charging doors and at the bottom of the bath is the tap-hole through which the completed charge of steel is drawn off. As the metal leaves the furnace it is received in a brick-lined ladle, which is equipped with a bottom nozzle and vertical stopper.



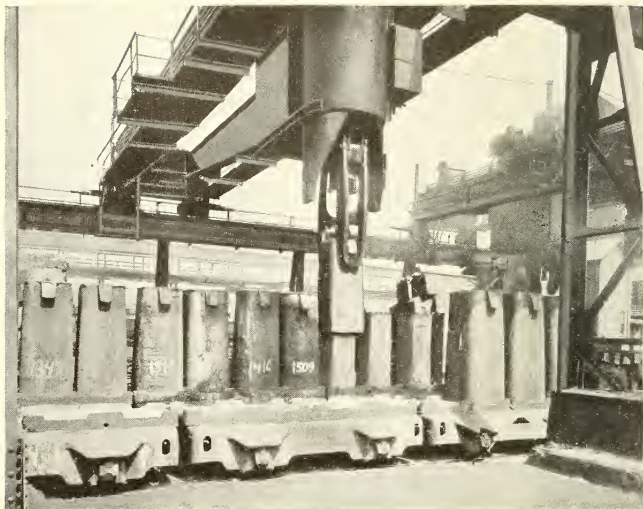
POURING INGOTS

THE slag, being of a different specific gravity, floats on top of the bath and is emptied into a separate receptacle after all of the steel has been drawn from the furnace. The ladle into which the steel flows is of one hundred tons capacity, sufficiently large to contain the output of one furnace. As soon as the pouring operation has been completed, the metal is carried to the waiting ingot molds and the casting begins. The steel flows from the nozzle in the bottom of the ladle, filling each mold in turn until the entire charge is exhausted.



INGOT TRAIN

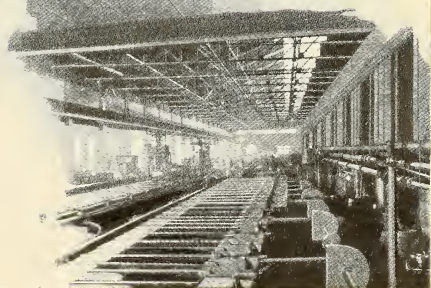
GREAT care must be exercised that the pouring be performed at the proper temperature in order to eliminate skulling in the ladle and to permit the escape of dissolved gases thereby reducing the possibilities of piping in the ingot. This is the term given to elongated interior cavities which are due to uneven contraction and which have an undesirable effect upon the rolled product. The completed charge of a furnace contains about thirty ingots which are mounted on special cars forming a train and hauled to the stripper.



STRIPPING INGOTS

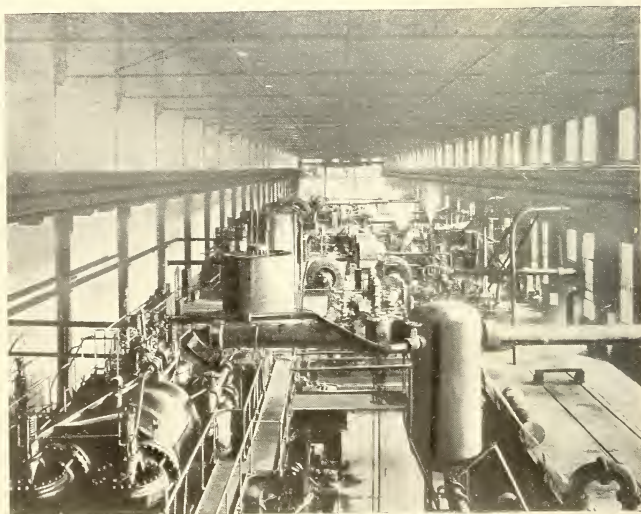
THE ingot is allowed to stand until it has become sufficiently solid to permit its removal from the mold. This is accomplished, as illustrated above, by an electric stripper which is equipped with a plunger for holding the ingot against the car while the hooks lift the mold. To facilitate the removal of the mold, the ingot tapers slightly toward the top.

ROLLING MILL





ROLLING MILL



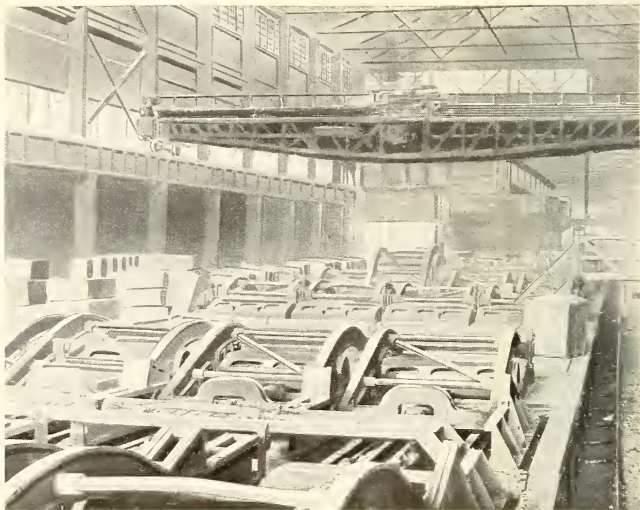
ROLLING MILL POWER PLANT



THE rolling mill, which produces what is commercially known as semi-finished material, is equipped with a battery of 32 soaking pits for reheating the ingots; a 40-inch blooming mill; a six stand continuous mill and a six stand merchant mill.

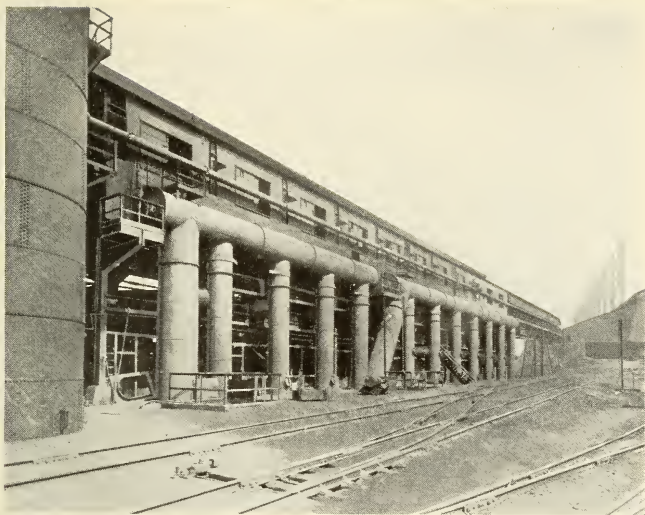
When an ingot has been reduced to a section 6" square or larger, it is called a bloom; if rolled to a rectangular section having a width at least twice the thickness and a cross-sectional area of sixteen square inches or more, it is called a slab; if from $1\frac{1}{2}$ " square or round and less than 6" square or round and cut into lengths, it is called a billet. A sheet bar is a section having a thickness $2\frac{1}{4}$ " or less and a width of 8".

The ingot which is approximately 22" x 24" x 70" is reheated to the proper temperature in the soaking pit and reduced to the various kinds of semi-finished material defined above.



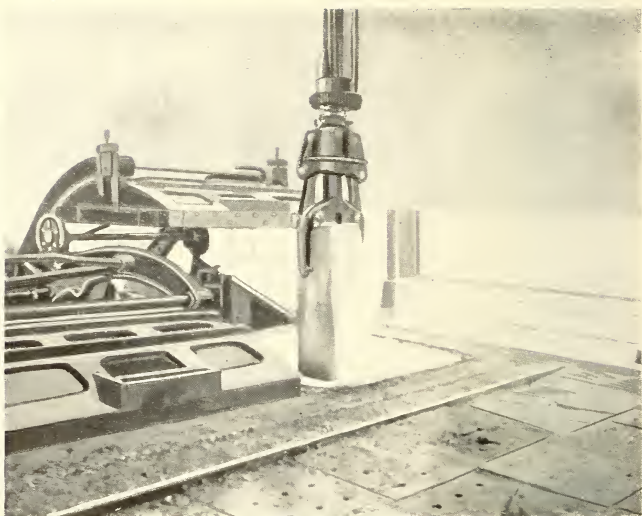
GENERAL VIEW SOAKING PITS

WHEN the ingot is removed from the mold the surface is completely solidified, although the interior is still in a molten condition. Gas furnaces, called soaking pits, are provided to distribute the heat contained in the ingot, preparatory to rolling. The gas used as fuel is obtained in the same manner as in open-hearth practice. The soaking pits open at the top by hydraulic pressure and the ingots are placed in them, upright, by an electric crane. The pits have four holes, each with a capacity of four ingots.



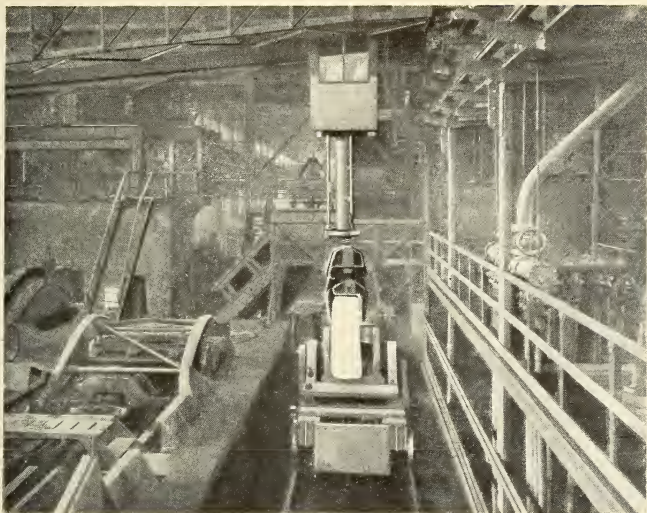
GAS PRODUCERS FOR SOAKING PITS

SEVERAL hours are required to bring the ingot to the proper temperature, which is very necessary to good rolling. The illustration shows a part of the gas-producing unit for the soaking pits.



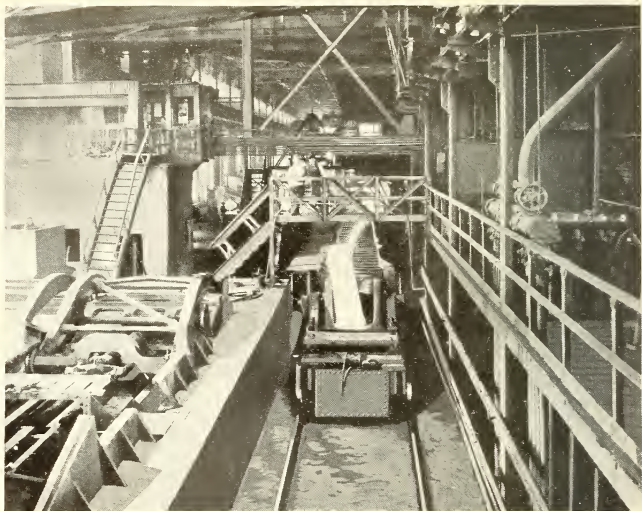
CHARGING INGOTS INTO SOAKING PITS

ELECTRIC cranes remove the ingots from the ingot cars and place them perpendicularly in the soaking pit, the top being opened by hydraulic pressure.



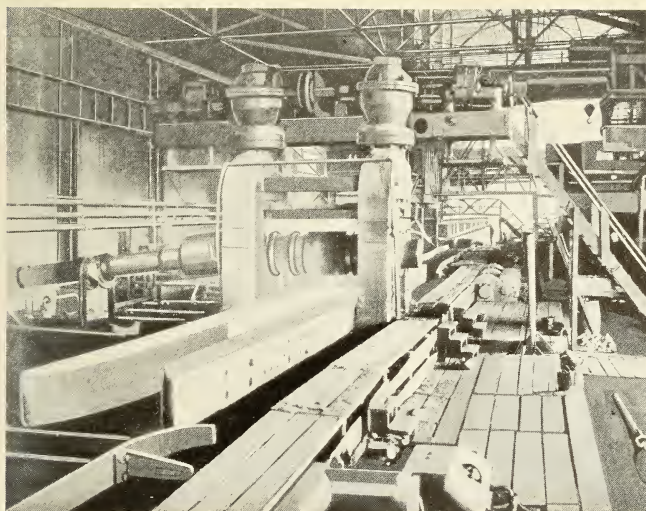
REMOVING INGOTS AND LOADING ON INGOT BUGGY

WHEN the temperature has reached the proper point for rolling, the ingots are removed and placed on a car, called an ingot buggy, and conveyed to the blooming mill. The ingot buggy is operated on a track and propelled by cable.



INGOT BUGGY DELIVERING INGOT TO APPROACH TABLE OF BLOOMING MILL

WHEN the ingot buggy reaches the approach table of the blooming mill, it automatically tips, dumping the ingot on to the rolls of the table on which it is taken to the blooming mill for reduction.



BLOOMING MILL OPERATION

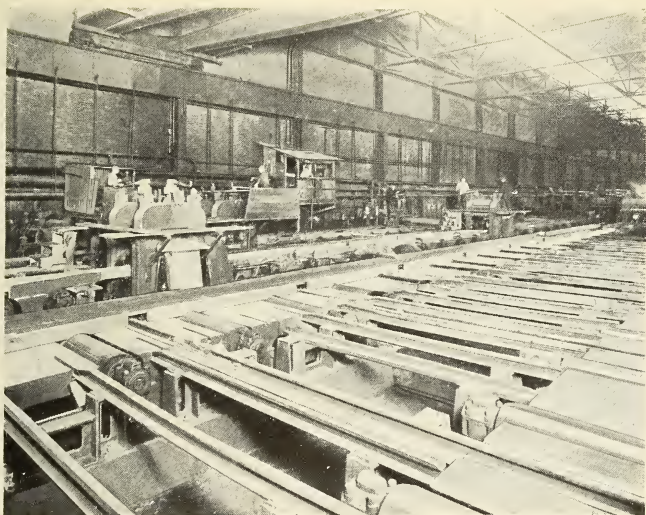
AN ingot is, on an average, 22" x 24" x 70" long. It is the purpose of the blooming mill to reduce this to 7½" x 7½" x 40' long, which is accomplished by a number of passes through the rolls. This mill is also capable of rolling billets down to 4" x 4".



HOT SHEARING BLOOMS

As the steel bloom leaves the blooming mill, it is either sheared into short lengths for forging or rerolling billets or it passes directly to the continuous mill for further reduction.

A combination hydraulic and steam shear, capable of shearing a slab 14" x 28", is employed to cut the slabs and forging billets to the desired lengths.



MERCHANT MILLS

SHEET bar slabs are transferred to the approach table of the merchant mill, which consists of six stands mounted in two parallel rows, four stands in one row and two in the other.

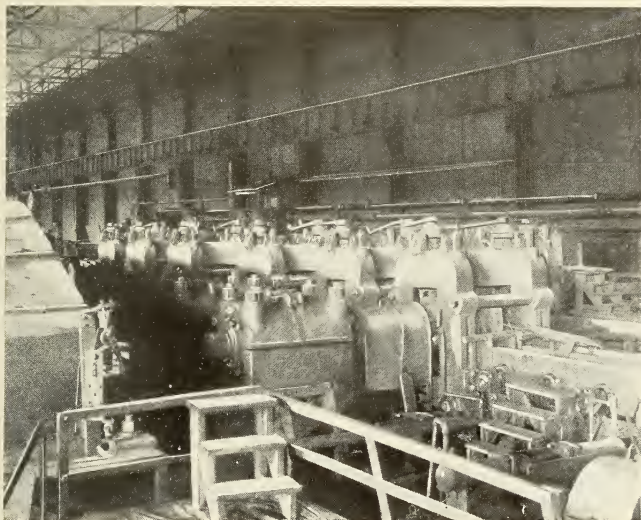
The slab is rolled continuously through the first four stands, which break it down to approximately the finished size, when its direction is reversed and it passes through the remaining two stands for finishing.

This mill may also be used for rolling small rounds, squares or rectangular shapes down to $1\frac{1}{2}$ " square.



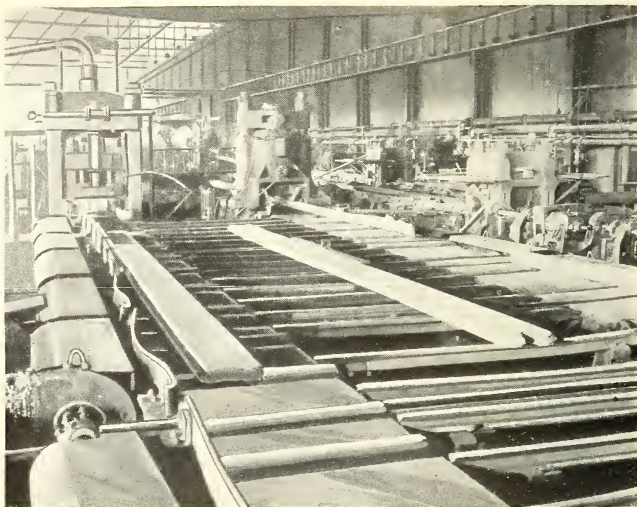
GANG SHEARS

SHEET bar, which is approximately eight inches in width and of varying thickness, is rolled on the merchant mill. As it leaves the finishing stand of rolls it is carried on roller conveyors to the gang shears, so-called because they work in unison, shearing the bar into standard lengths of thirty feet in one operation.



CONTINUOUS MILL

THIS mill consists of six stands, coupled together, each succeeding one being of a progressively faster speed. It serves to break down the blooms for subsequent rolling into sheet or tin bar, or to roll finished 4" x 4" billets.



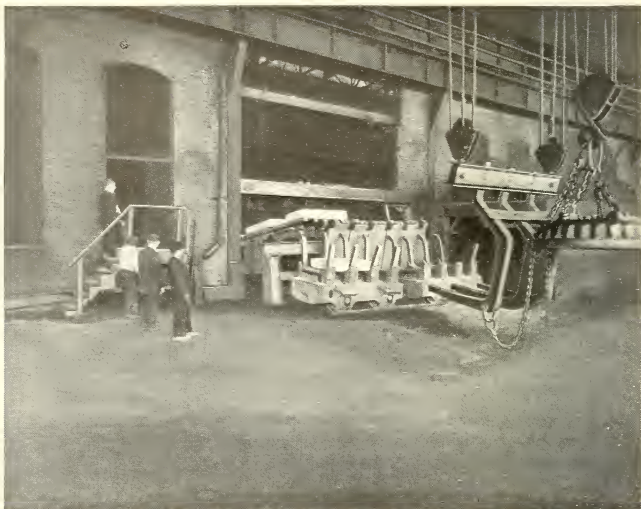
CROP SHEARING SLABS AND BILLETS

THE steel that is to be rolled into sheet and tin bar is first rolled in the shape of a slab on the continuous mill, from which it passes to a crop shear which cuts it to a suitable length.



COOLING BED FOR SHEET BAR

AFTER leaving the gang shears the sheet bars are carried on a roller conveyor to a cooling bed located outside the rolling mill building. They are here piled to await shipment to the sheet mills.



LOADING DEVICES, ETC.

FROM the time the ore is mined it passes through the various operations described in the foregoing pages without being touched by the hand of man, or being allowed to cool after it goes into the blast furnace. The machinery employed to handle it during its progress is, although powerful, very humanlike in its operation. In the above illustration slabs may be seen being delivered from the shears to slab cars from which the electric crane, in the foreground, carries them either to railway cars for shipment or to the other mills for further reduction.

PLATES





PLATE AND JOBBING MILLS

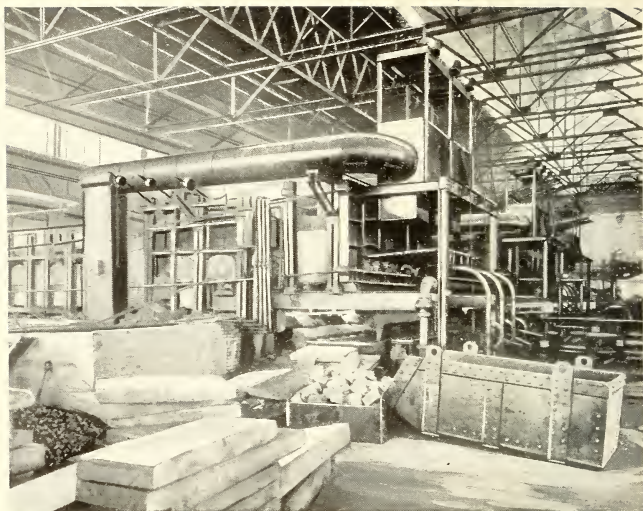
THE Brier Hill Steel Company's Plate Mill, recently placed in operation, is conceded by experts to be the most thoroughly equipped and the finest of its kind in existence. The improved machinery, convenient arrangement, and economical method of handling the plates are distinguishing features of this plant. The equipment consists of an 84" jobbing mill and a 132" plate mill, with their accompanying furnaces, conveyors, levelers, inspection tables, shears, etc.



ON these two mills all thicknesses of steel plates, from $\frac{7}{16}$ " to 2", and widths ranging up to 120", may be rolled.

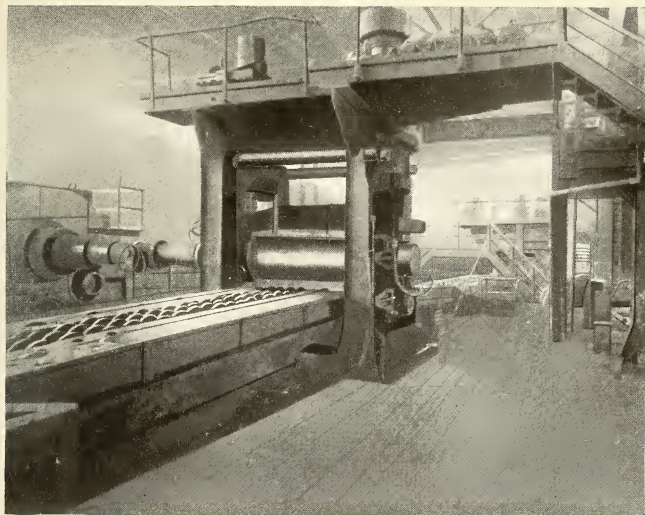
A sheared plate, in the accepted sense of the term, is one $\frac{3}{16}$ " or more in thickness, rolled between cylindrical rolls and sheared on all sides to remove the irregular edges.

Jobbing sheets are those having a thickness of less than $\frac{3}{16}$ " and more than $\frac{1}{16}$ ".



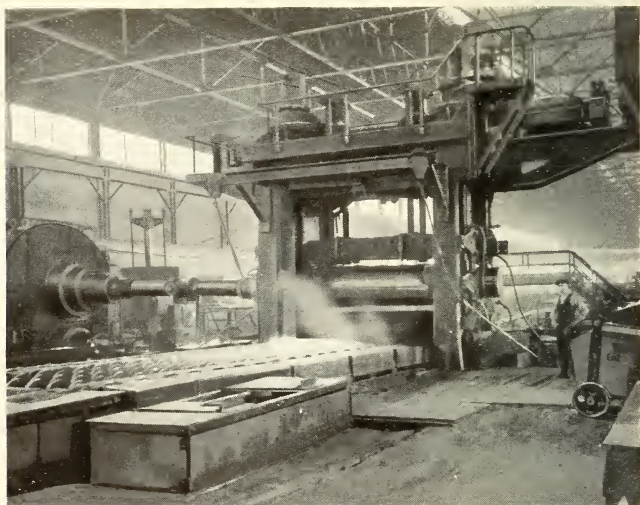
CONTINUOUS FURNACES

THE rolling and shearing of slabs, from which plates are made, is described in the foregoing pages. Before rolling into plates, however, they must be heated to a fairly high temperature, which takes place in the continuous furnace shown above. This furnace has a charging door at one end through which the cold slabs are charged, and it is sufficiently long to accommodate twenty-eight slabs at one time. As a cold slab is charged, a hot one is ejected from the opposite end of the furnace on to the approach table of the mill, by which it is carried to the rolls for reduction.



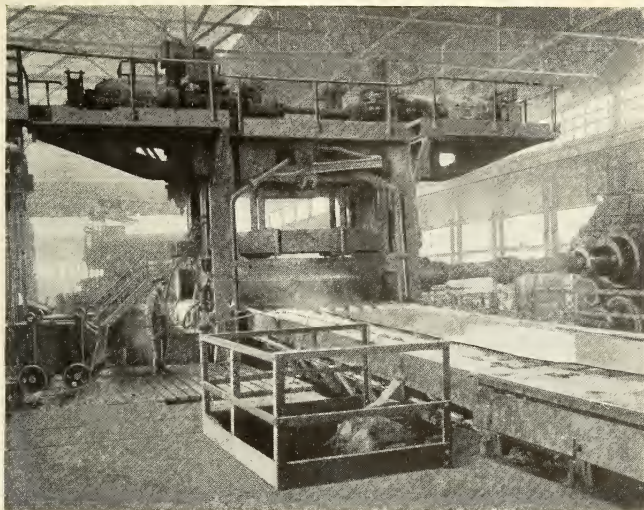
84-INCH ROUGHING AND FINISHING MILLS

THE slab is fed between the rolls of the roughing mill by means of a roller table, and is given a sufficient number of passes back and forth to break it down to a size somewhat approaching that of a finished plate. The roughing mill is of the reversible type, operated by electric power, and has two rolls. When the roughing process is completed, the slab is carried directly to the finishing rolls where it is further reduced to the finished thickness, width and length. This mill is what is known as a three high type, having three rolls instead of two, and is non-reversible. On it the slab is given one pass between the lower pair of rolls and returned between the upper pair making it unnecessary to reverse the direction of the mill.



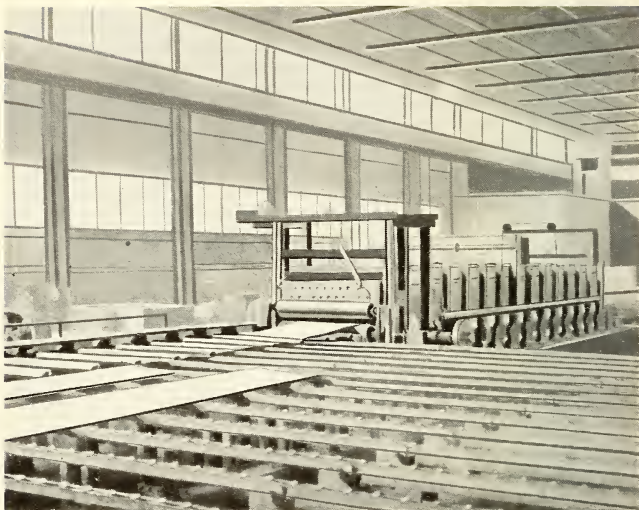
132-INCH MILL.

THE heavy plates, up to 2" in thickness, are rolled on the 132" mill, which is also of the three high type and non-reversible. A battery of continuous furnaces serves this mill, the operation of which is the same as on the 84" mill. When rolling plates, the lateral spread is so small as to be negligible, and it is necessary to reverse the slab in order to bring it out to the required width. It is also sometimes essential to enter the slab diagonally between the rolls, the first diagonal pass drawing it into a diamond shape, but by again entering it on the opposite diagonal, the second reduction squares the slab, resulting in a spread in both directions.



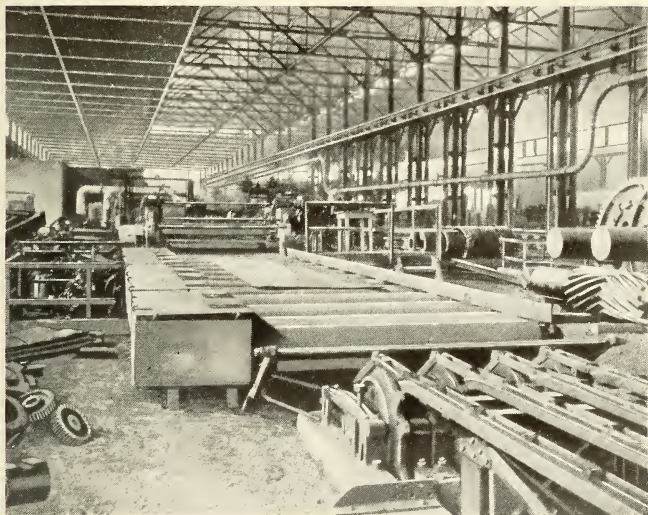
ROLLING

BY repeating the operation mentioned on the previous page, it is obvious that the slab will be ultimately drawn out so that what was originally a narrow dimension will now be sufficient to produce the required width of the plate and that by thereafter entering this side parallel to the axis of the roll, the plate may be increased to any desired length by successive reductions in thickness. It is evident from the foregoing that a high degree of skill is required to determine the proper combination of passes and entry angles necessary to produce the desired plate in the shortest possible time and with a minimum loss from trimming.



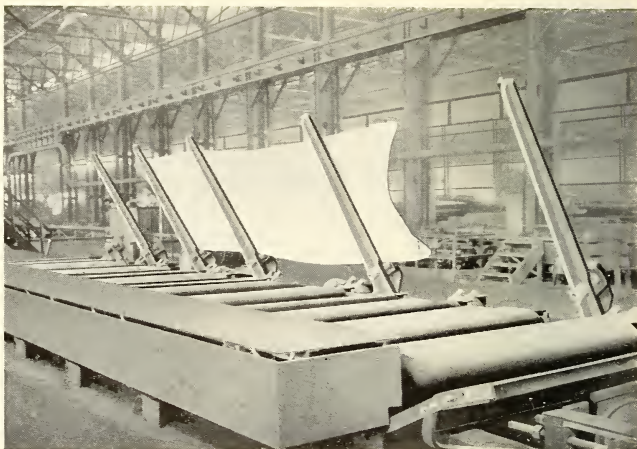
BLUE ANNEALING

ORDINARILY hot rolled jobbing sheets are too stiff to be used for certain purposes, where the sheet is subjected to severe strains. The process of softening these sheets, called blue annealing, occurs in a gas furnace through which the sheets pass after leaving the finishing mill. In this furnace they are kept at a moderate heat for a short time and allowed to cool slowly, which effectually removes the stiffness and produces a soft, ductile plate.



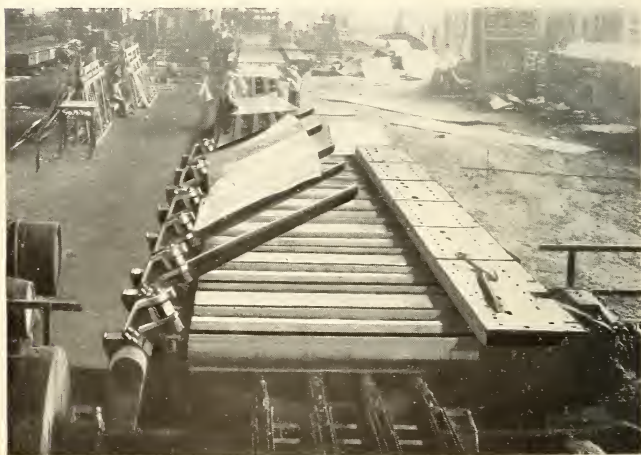
STRAIGHTENING

As the plate leaves the finishing mill, it is carried on roller tables to the leveller, which consists of a series of motor-driven rolls, through which the plate passes, emerging flat and level. The run-out tables are of sufficient length to permit the plate to cool before shearing and to provide considerable storage space when necessary. Plates which have been annealed are straightened immediately after leaving the blue annealing furnace.

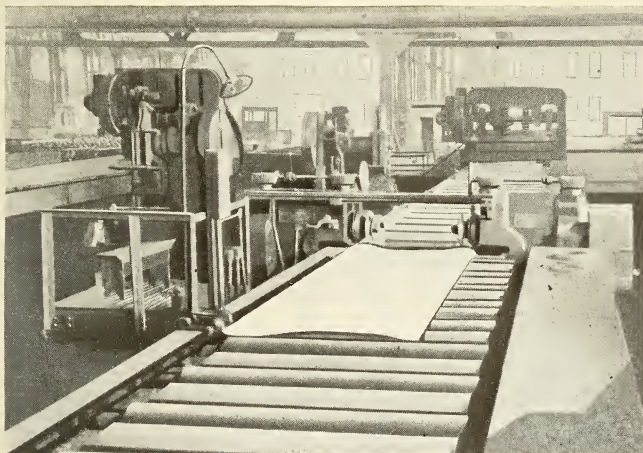


INSPECTION

ALL plates are subjected to a rigid inspection for surface defects. The inspection table is provided with tilting arms which permit the thorough inspection of both sides.

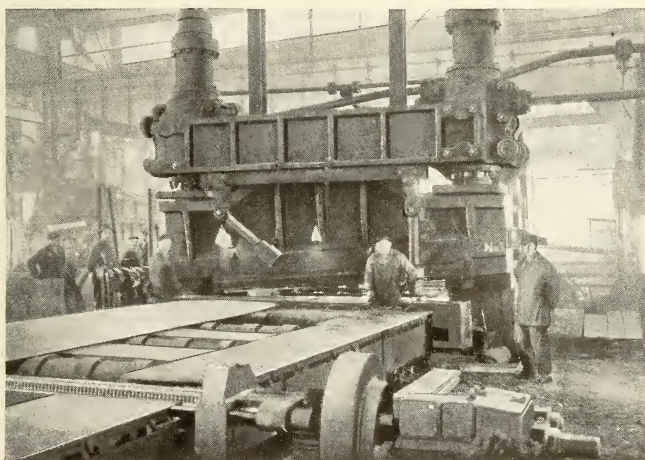


INSPECTION TABLE



SHEARING

THE extreme length of some plates makes it impossible to trim their sides on a straight blade shear. For this reason, a rotary disc shear trims them to the finished width as they pass on their way to the end shear, which is of the straight blade type.



SHEARING PLATES

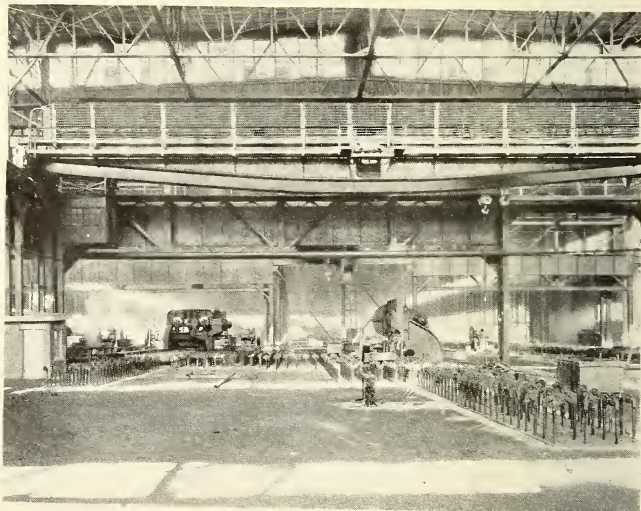
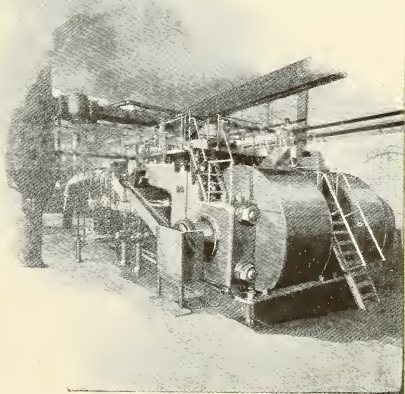


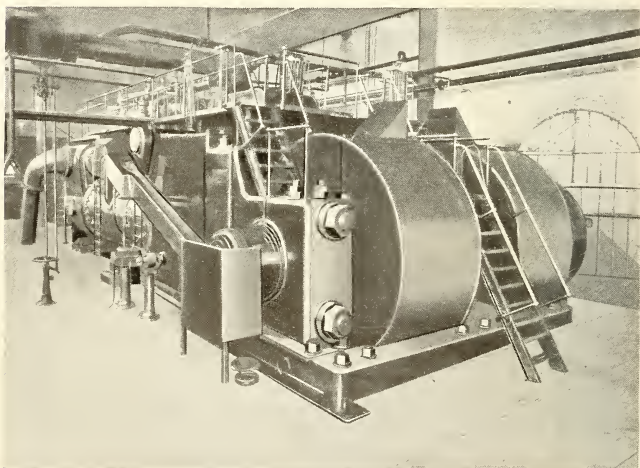
PLATE WAREHOUSE

POWER

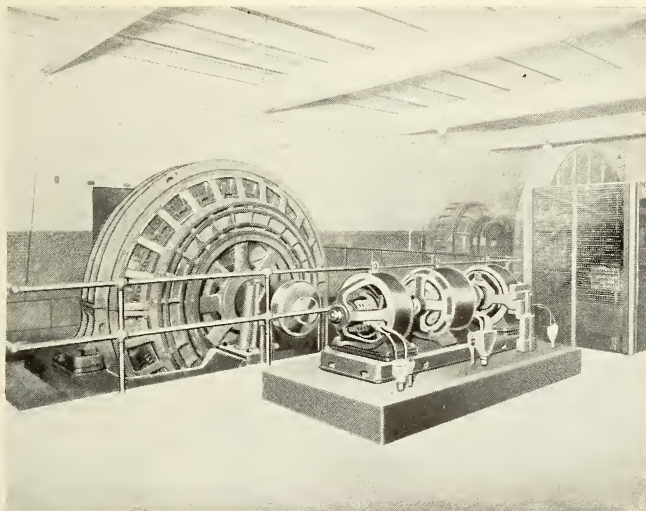




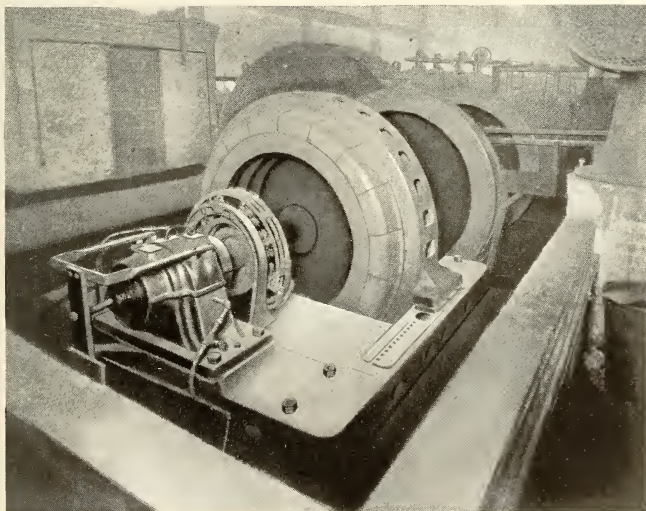
BLAST FURNACE BLOWING ENGINE



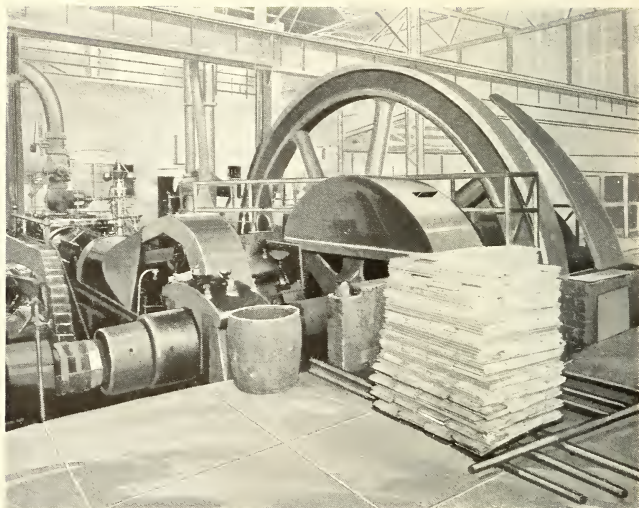
REVERSING ENGINE—ROLLING MILL



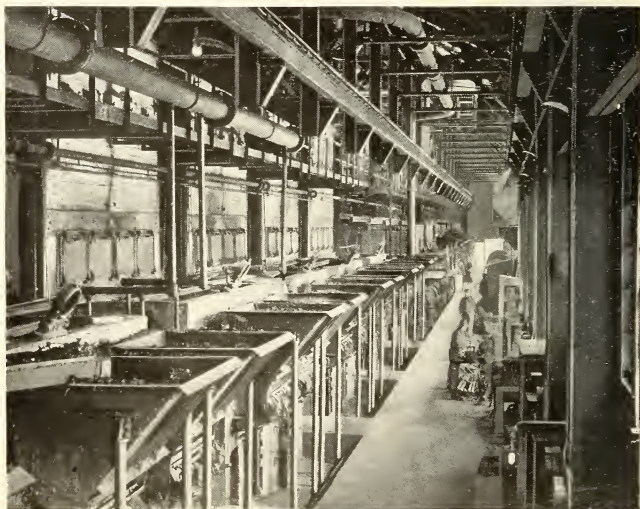
ELECTRIC DRIVE—PLATE MILL



ELECTRIC DRIVE—SHEET MILL



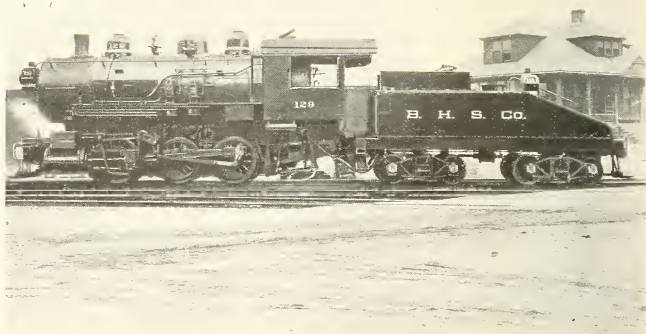
HOT MILL ENGINE



BOILERS AND STOKERS

TRANSPORTATION

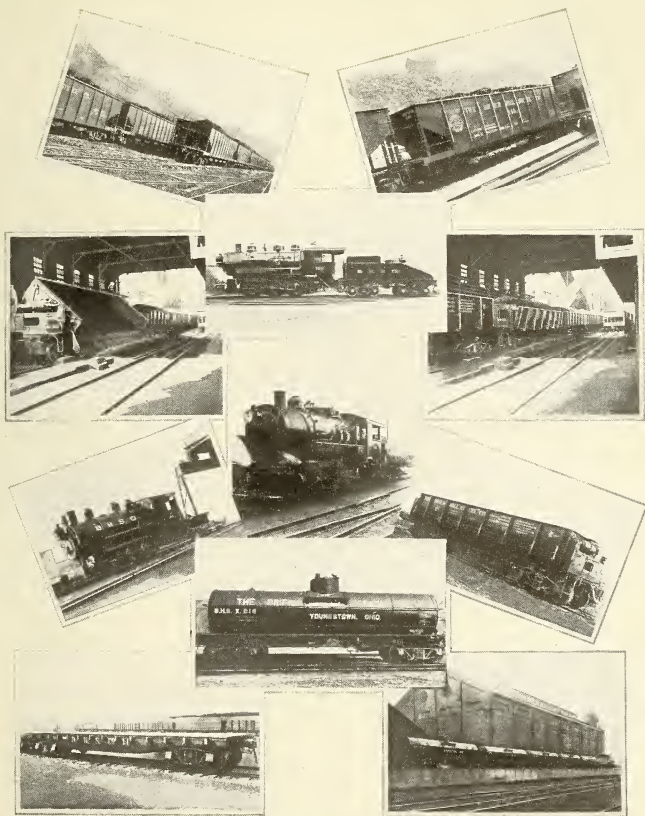




STANDARD GAUGE LOCOMOTIVE

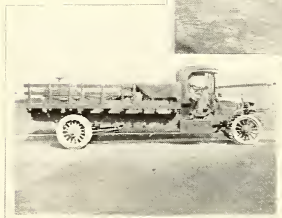
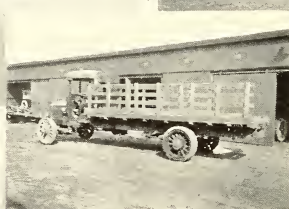


"BABY DINKY MOGUL"



TANK, FLAT, COKE, HOPPER AND DUMPER CARS

HUNDREDS of cars of various types are used to haul the raw and finished materials over the fifty miles of track within our works. Eight standard gauge locomotives and a flock of "baby dinky moguls" furnish the motive power for this department.



MOTOR TRUCKS

SHEET MILLS





THOMAS WORKS



EMPIRE WORKS

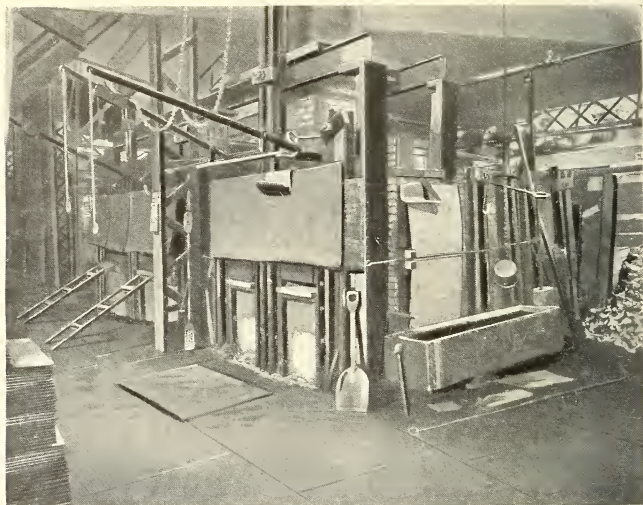


WESTERN RESERVE WORKS



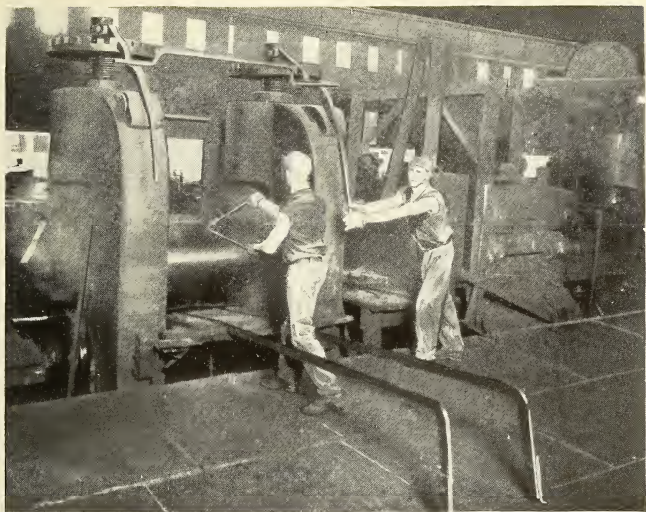
SHEARING BARS FOR ROLLING INTO SHEETS

SHEET bars of the standard length (thirty feet) are delivered to the sheet mills for rolling into sheets. They are, however, sheared into short lengths, this being determined by the width of the sheet into which they are to be rolled. The illustration shows the sheet bar entering the shear, while the crane is removing a stack of sheared bars to the pair heating furnaces.



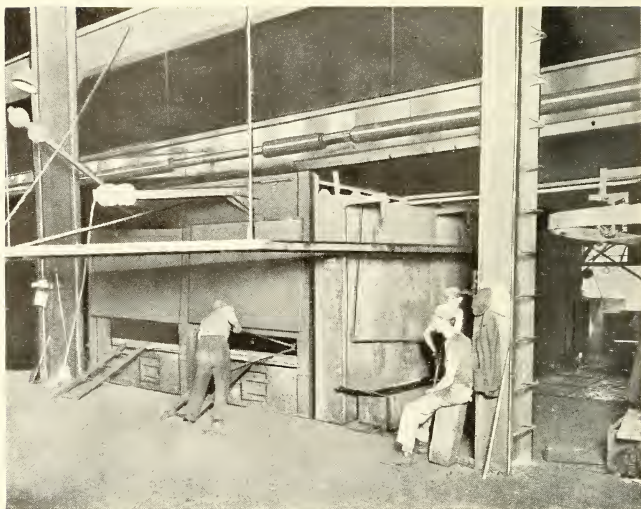
PAIR HEATING FURNACES

THE short bars are placed in the pair heating furnace and brought to the proper rolling temperature, preparatory to the roughing out process. Coal, fed by stokers, is the fuel used to heat these furnaces.



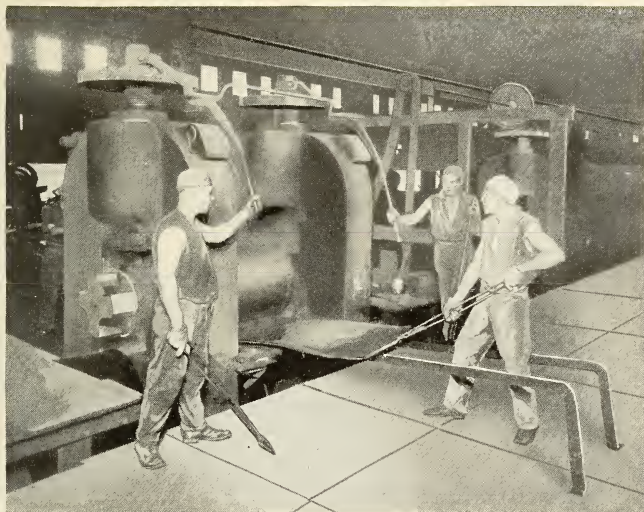
ROUGHING OUT PROCESS

WHEN the bars have reached the desired temperature, they are taken from the furnace in pairs and passed between chilled iron rolls, one bar at a time being passed in by the rougher to the catcher who stands on the opposite side and returns it over the rolls to the rougher. This operation is repeated until the thickness has been reduced and the length increased the desired amount.



SHEET FURNACES

THE roughing out process consumes sufficient time to cool the metal and a reheating is necessary. This is accomplished in a sheet furnace which is kept at a much lower temperature than the bar furnace, as too much heat will cause the sheets to stick together when rolled.



SHEET ROLLING

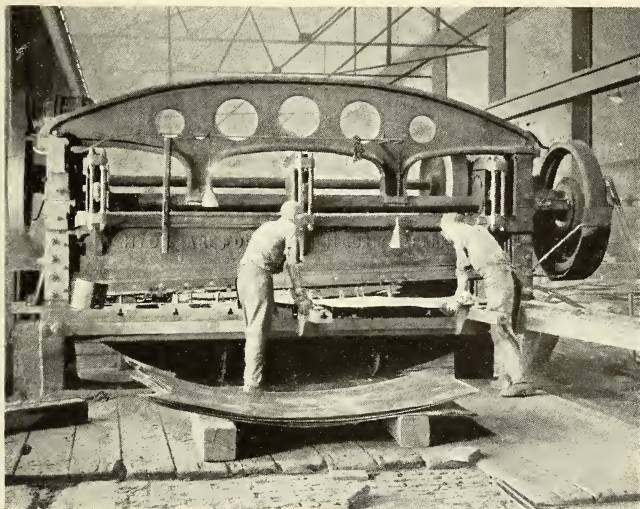
THE roughed out sheets are taken from the sheet furnace in packs of two, three or four and the rolling continued until the sheets are finished, the number of passes through the rolls varying according to the gauge required. This applies to No. 24 gauge and heavier.



DOUBLING

WHEN rolling light gauges the sheets are roughed out as described on page 111, placed two, three or four in packs, reheated and given one, two or three passes through the rolls. They are then opened and bent over flat on each other, making a pack with four, six or eight sheets, reheated and finally passed through the rolls until reduced to finished thickness. After rolling, the ends and sides of the sheets are ragged and uneven and are sheared to finished size by a power shear shown on the top of the following page.

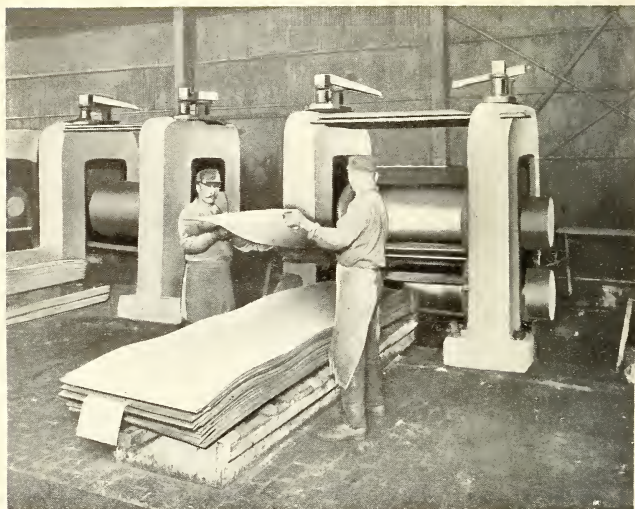
The great pressure exerted upon the sheets during rolling often causes the surfaces to adhere firmly, necessitating the operation known as opening.



SHEARING



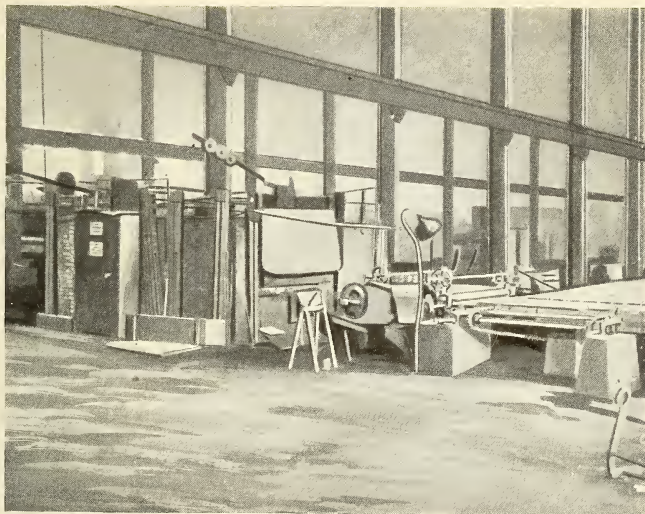
OPENING



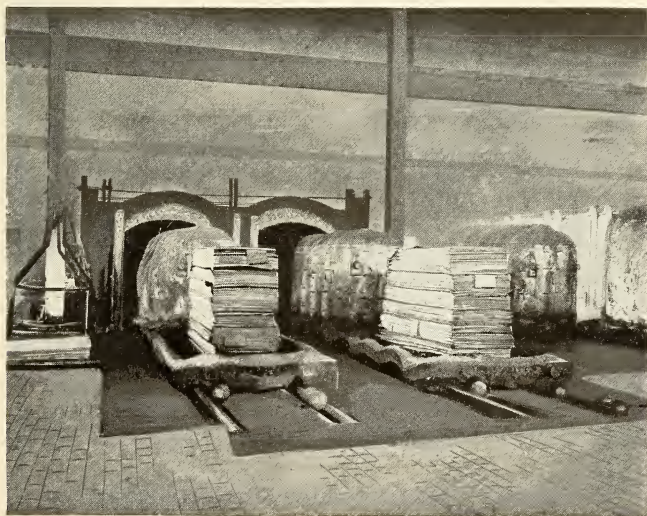
COLD ROLLING

TO remove the slight irregularities in the surface and give the sheet a denser composition, they are passed between a set of rolls while cold. Different finishes are obtained by passing them a different number of times through these rolls, known as One Pass, Two Pass, Three Pass, cold rolling, etc.

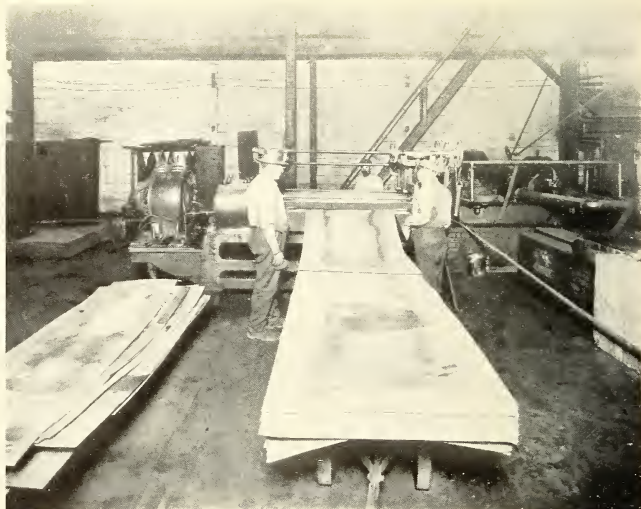
Ordinary hot rolled sheets are too brittle to be used for some purposes. Blue annealing, which consists of keeping them at a moderate heat for a short time, after which they are allowed to cool slowly, effectually softens them. The box annealing process consists of placing the sheets in stacks in an airtight box which is placed in the furnace and brought to a medium high temperature, which is maintained for a certain number of hours. They are then removed from the furnace and allowed to cool slowly. This increases their ductility.



BLUE ANNEALING

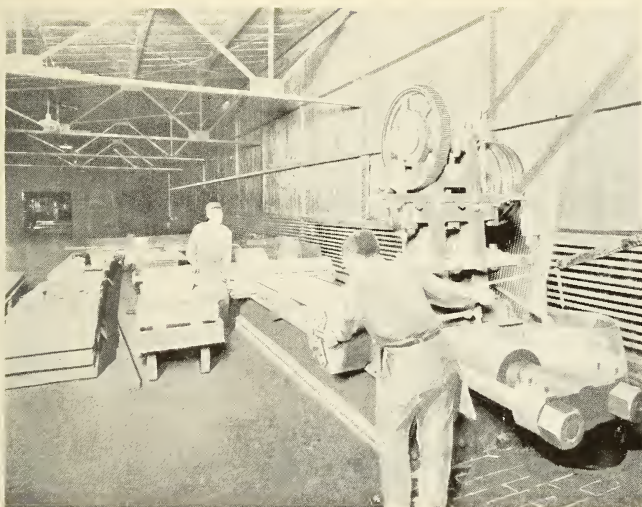


BOX ANNEALING



ROLLER LEVELING

SHEETS which have become wavy or buckled during the process described are leveled by passing them through a machine equipped with a series of small rolls. This makes the sheet flat enough for all ordinary purposes. However, when necessary that they be perfectly flat, they are stretcher-leveled by the powerful hydraulic stretcher shown on the opposite page.



STRETCHER-LEVELING



BLACK WAREHOUSE



BLACK WAREHOUSE

THE black sheets are accumulated in the black warehouse, from which they are either loaded for shipment, or stored for further treatment, as described in the following pages.



BLACK WAREHOUSE

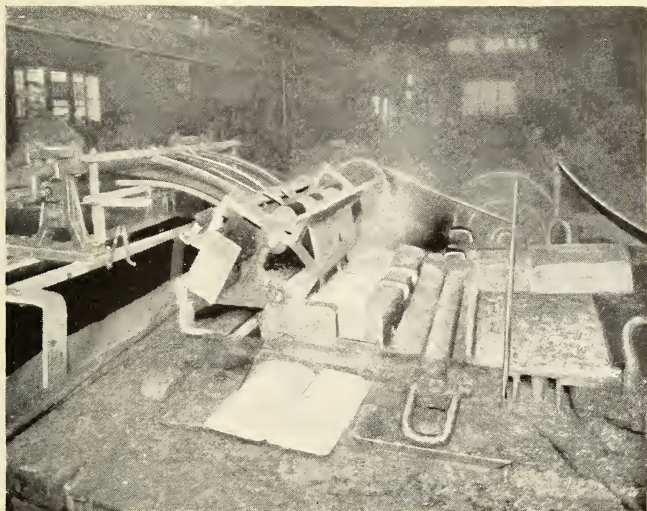
GALVANIZING





PICKLING AND WASHING

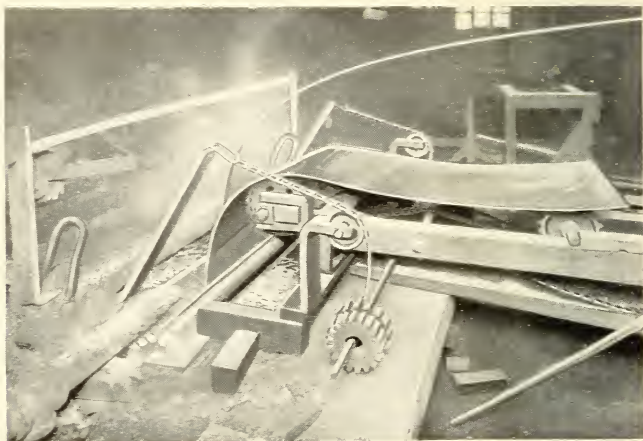
BEFORE galvanizing, the sheets must be thoroughly cleansed of all dirt and scale. This is accomplished by submerging them in a bath of diluted sulphuric acid contained in a lead tank. This operation takes about twenty minutes. They are then removed and placed in running water to remove the surplus acid.



GALVANIZING

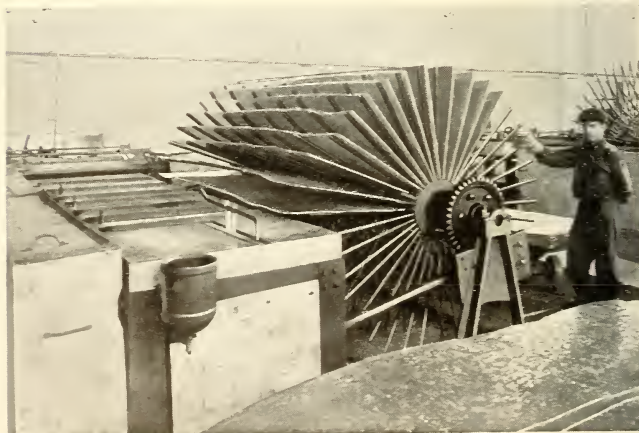
IMMEDIATELY before the sheet is introduced into the spelter bath, it passes through a weak solution of muriatic acid to remove any traces of dirt that may have accumulated since the pickling was completed.

The steel pot which holds the spelter is mounted in a brick framework containing a coke fire for keeping the spelter molten. The sheet is conducted through the molten spelter by a series of rolls and guides. Upon entering the pot, the sheet passes through a wrought iron box containing salammoniac which removes the oxide from the sheets and also increases the fluidity of the spelter.



GALVANIZING

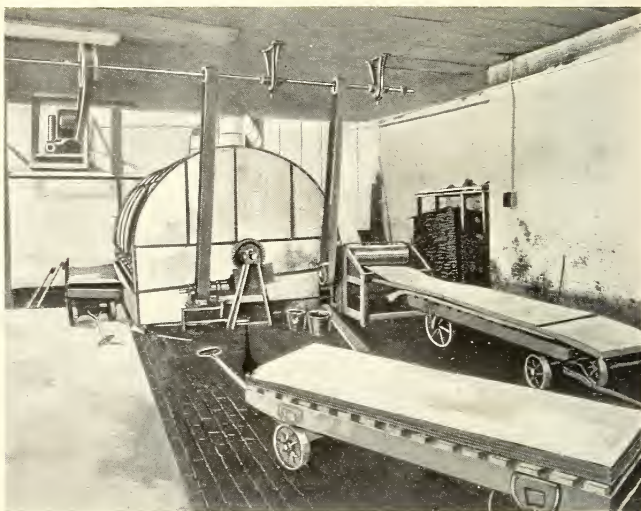
THE sheet emerges from the pot with a complete coating of spelter and is carried by chain belts to the cooling rack. They rest temporarily on this rack where the cooling is accelerated by blasts of cold air, after which they are removed from the rack to the warehouse.



COOLING RACK



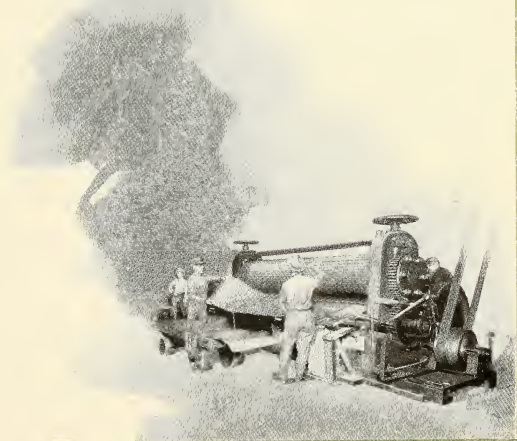
GALVANIZED SHEET WAREHOUSE

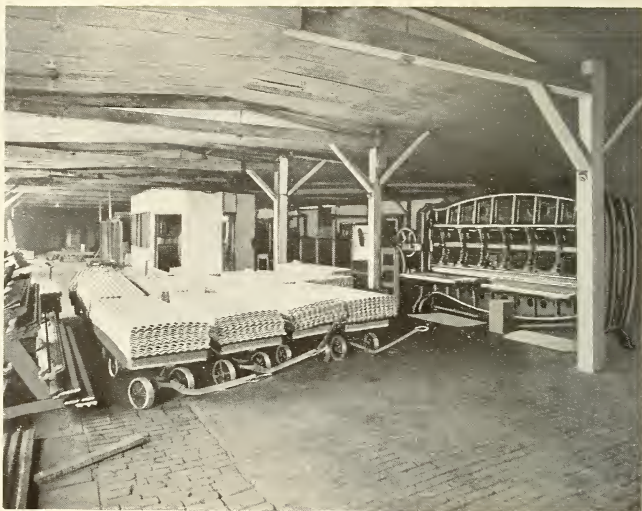


PAINTING

THE sheets destined for painted roofing and siding are given a heavy coat of oxide paint before forming. They are placed in the oven illustrated above, where they rest momentarily for the paint to harden. In some localities painted roofing and siding give excellent service, but where severe weather conditions are encountered we recommend the use of galvanized products.

FORMED PRODUCTS

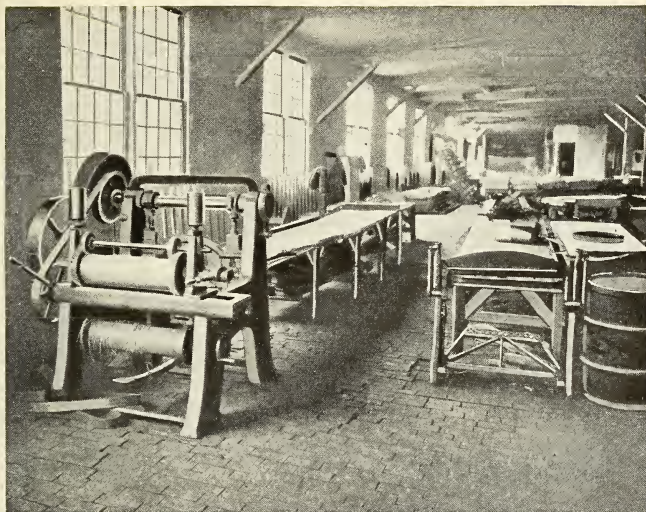




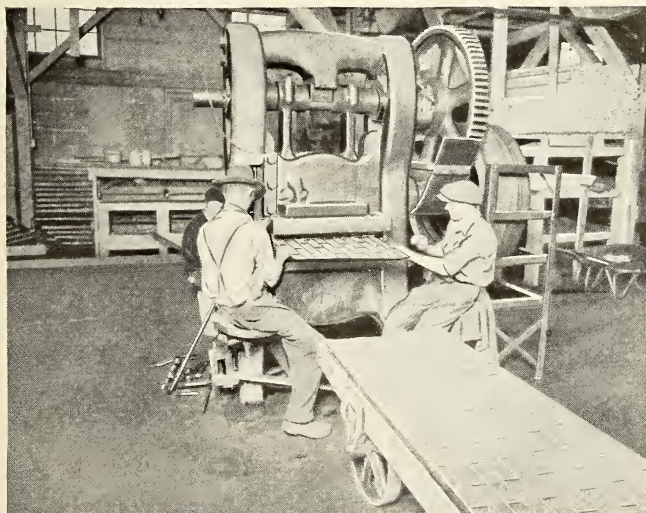
MAKING CORRUGATED



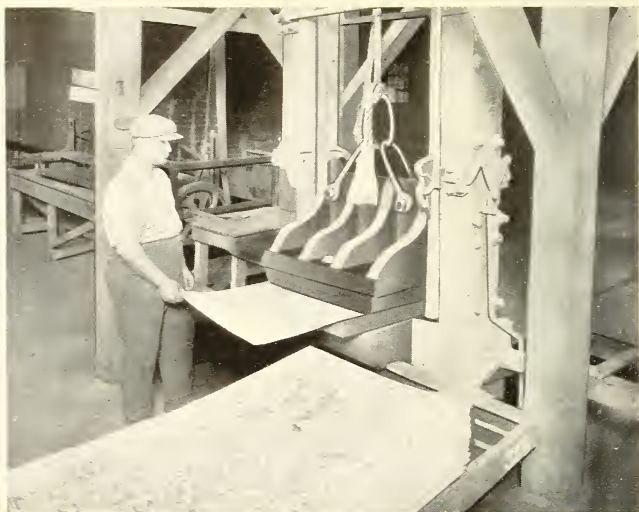
MAKING V-CRIMP



MAKING ROLL ROOFING



MAKING PRESSED BRICK SIDING



STAMPING ROCK FACE BRICK AND STONE SIDING

IN the foregoing pages are illustrated various methods of making formed roofing and siding. We produce all kinds of corrugated sheets, V-crimped roofing, pressed standing seam, roll roofing, rock-face brick and stone, pressed brick siding, etc. For the sizes in which they are made, consult the following pages.

INDUSTRIAL RELATIONS DEPARTMENT



INDUSTRIAL RELATIONS DEPARTMENT

IN keeping with the many problems that confront the large employer of this day, a well organized department, under the heading of Industrial Relations, is maintained to promote the safety and welfare of the employees.

One of the most important branches of this department is the emergency hospital which provides necessary physicians, nurses, conveyance, etc., for the injured. Illustrations giving an idea of the complete equipment for handling emergency cases are shown on the following pages.

Safety, as applied to workmen, is under the charge of a Safety Engineer who works in conjunction with a Central Safety Committee composed of representatives of various departments. The chief duty of this Committee is to make a weekly inspection of the different plants. This department is also responsible for the cleanliness of the plant, and a White Winged Squad is constantly busy keeping the roadways, entrances and exits in first-class shape.

A capable Visiting Nurse with assistants cares for the welfare of all employees where sickness, accident or other misfortune is found. Financial aid is given through this department which also handles social activities, such as recreation in the form of an athletic field and park, playgrounds, community gatherings, etc.

A legal advisory service is under the direction of a capable attorney, especially fitted, schooled and familiar with the various legal problems that confront the employee in everyday life. This service is rendered without fee and covers such items as domestic relations, land contracts, liens, mortgages,

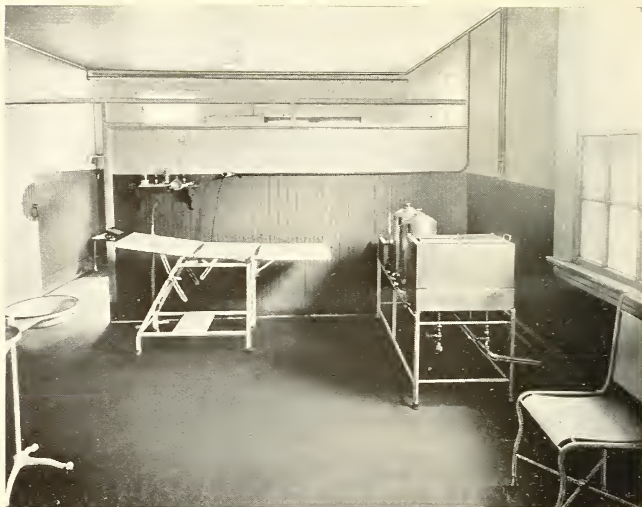
deeds, investments, adjustment of taxes and all matters requiring legal advice.

A Superintendent of Safety looks after the plant safety and has under his control police, watchmen, guides, fire inspectors, and hose companies, their duties consisting of regulating admittance to the plant, guarding dangerous crossings and guiding strangers about the plant, furnishing necessary fire protection, investigating fire hazards and promoting the general safety of the employees.

The Employment Bureau is under the direction of an employment agent who keeps a comprehensive record of all persons taken into the employ of the company. All employees undergo a strictly private physical examination, the purpose of which is for the protection of the employees as well as the employer. Employees with physical defects are not rejected but are placed on work suitable to their physical and mental condition.



VIEW IN EMERGENCY HOSPITAL



VIEWS IN EMERGENCY HOSPITAL

PRODUCTS
MAXIMUM SIZES
ETC.

As told in the foregoing pages, every operation in the making of steel "from ore to your door" is performed in our own organization, which fact alone is the most powerful assurance of highest quality.

Following is given the range of sizes of our various products:

INGOTS:

Made from Soft, Medium or Hard Basic Open Hearth Steel.

ROLLING LIMITS

BILLETS:

1 $\frac{3}{4}$ -inch x 1 $\frac{3}{4}$ -inch to 12-inch x 12-inch.
Maximum length, 30 feet.

SLABS:

2-inch to 14-inch inclusive in thickness.
Maximum length 14 feet 6 inches.
Maximum width 28 inches.

SHEET AND TIN BAR:

7.50 to 62 pounds per lineal foot.
All 8 inches wide. Maximum length 30 feet.

SHEARED PLATES

OUR capacity for producing Flat Rolled Steel from one-eightieth to two inches in thickness, places us as one of the largest manufacturers of this class of material. We roll plates up to 120 inches in width.

PLATES

TABLE OF MAXIMUM ROLLING LIMITS

WIDTH INCHES	24	30	36	42	48	54	60	66	72	78	84	90	96	102	108	114	120	Diameter of Circles
Thick- ness	LENGTH IN INCHES																	
Gauge																		
$\frac{7}{64}$	240	240	240	240	240	240	240	240	...	...	...	...	...	...	...	...	...	68
$\frac{1}{8}$	300	300	300	300	300	300	240	240	...	...	...	...	...	...	...	...	...	68
$\frac{9}{64}$	360	360	360	360	360	360	300	240	...	...	...	...	...	...	...	...	...	68
$\frac{5}{32}$	360	360	360	360	360	360	300	300	...	...	...	...	...	...	...	...	...	68
$\frac{11}{64}$	360	360	360	360	360	360	360	300	300	...	...	...	...	...	...	...	...	68
$\frac{3}{16}$	360	360	360	360	360	360	360	360	360	...	...	...	...	...	...	...	...	74
$\frac{13}{64}$	480	480	480	480	480	480	420	360	360	...	...	...	...	...	...	...	...	74
$\frac{7}{32}$	480	480	480	480	480	480	480	360	360	...	...	...	...	...	...	...	...	74
$\frac{15}{64}$	480	480	480	480	480	480	480	360	360	...	...	...	...	...	...	...	...	74
$\frac{1}{4}$	480	480	540	540	540	480	480	480	480	480	480	480	480	480	...	...	...	104
$\frac{5}{16}$	600	480	540	540	540	480	480	480	480	480	480	480	480	420	320	260	240	124
$\frac{3}{8}$	600	600	600	600	600	600	600	600	540	540	540	540	540	540	480	320	270	124
$\frac{7}{16}$	600	600	600	600	600	600	540	540	540	540	540	540	540	500	480	320	300	124
$\frac{1}{2}$	600	480	480	600	600	520	480	480	540	600	600	600	600	540	520	320	320	124
$\frac{5}{8}$	600	600	600	600	600	600	600	600	600	600	600	540	520	510	470	330	330	124
$\frac{3}{4}$	600	600	600	600	600	600	600	600	600	570	530	500	470	460	410	330	320	124
$\frac{7}{8}$	600	600	570	600	600	600	600	600	600	570	520	480	450	420	380	330	320	124
$\frac{15}{8}$	600	600	520	600	600	600	600	560	520	480	440	440	390	380	340	320	310	124
$\frac{13}{8}$	600	580	480	600	600	600	580	530	480	450	410	390	360	340	320	300	290	124
$\frac{11}{8}$	600	540	450	600	600	600	540	480	450	410	380	360	320	310	300	270	260	124
$\frac{9}{8}$	600	490	420	600	600	550	490	460	420	390	360	340	310	300	280	260	250	124
1	600	470	380	600	600	520	470	420	380	360	330	320	290	280	260	250	240	124
$1\frac{1}{8}$	580	450	370	600	580	510	450	400	370	330	310	300	280	270	240	235	230	124
$1\frac{1}{4}$	530	410	350	600	530	470	410	380	350	320	290	275	260	240	230	220	210	124
$1\frac{3}{8}$	500	400	360	580	480	450	400	370	330	300	280	270	250	230	220	210	200	124
$1\frac{1}{2}$	470	370	360	530	470	420	370	340	310	290	270	260	230	220	210	200	190	124
$1\frac{5}{8}$	450	350	360	520	450	400	360	330	300	270	260	250	220	210	200	190	180	124
$1\frac{3}{4}$	420	340	360	480	420	380	340	310	290	250	240	230	220	200	190	180	170	124
$1\frac{7}{8}$	420	330	360	460	420	370	330	300	280	240	230	220	200	190	180	170	160	124
$1\frac{1}{2}$	400	310	360	440	400	350	310	280	260	240	220	220	190	180	170	165	160	124
$1\frac{9}{8}$	400	300	360	430	370	340	300	270	250	230	220	210	180	170	160	160	150	124
$1\frac{5}{4}$	360	300	360	410	360	330	300	260	240	220	210	200	180	160	150	150	140	124
$1\frac{11}{8}$	360	300	360	400	340	320	280	250	240	210	190	190	170	150	140	140	130	124
$1\frac{3}{4}$	340	300	360	390	340	290	270	240	230	200	190	180	170	150	140	140	130	124
$1\frac{7}{4}$	340	300	360	390	330	280	260	230	220	200	180	180	160	140	130	125	120	124
$1\frac{5}{4}$	310	300	360	360	310	275	240	220	220	190	180	180	160	140	130	125	120	124
$1\frac{11}{4}$	310	300	360	350	300	260	230	210	200	180	170	170	150	130	120	115	110	110
2	300	300	360	340	300	260	230	210	200	180	170	170	150	120	120	115	110	110

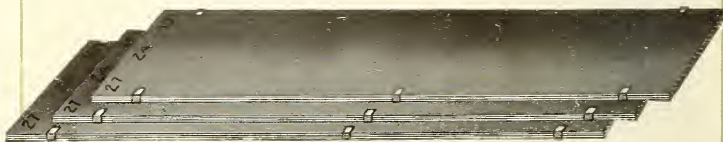
(For Weights of Plates see page 174)

BLUE ANNEALED

TABLE OF MAXIMUM ROLLING LIMITS

Made from Soft Open Hearth Steel, hot rolled, open annealed, in gauges 3 to 16 inclusive.

Width Inches	24	26	28	30	32	36	40	44	48	54	60	66	72	Diameter of Circles
LENGTH IN INCHES														
Gauge														
$\frac{1}{4}$ "- 3	420	420	420	420	420	420	420	420	420	420	420	360	360	74
$\frac{5}{16}$ "- 4	420	420	420	420	420	420	420	420	420	420	420	360	360	74
$\frac{7}{32}$ "- 5	420	420	420	420	420	420	420	420	420	420	420	360	360	74
$\frac{13}{64}$ "- 6	420	420	420	420	420	420	420	420	420	420	420	360	360	74
$\frac{3}{16}$ "- 7	360	360	360	360	360	360	360	360	360	360	360	360	360	74
$\frac{11}{64}$ "- 8	360	360	360	360	360	360	360	360	360	360	360	300	..	68
$\frac{5}{32}$ "- 9	360	360	360	360	360	360	360	360	360	360	360	300	300	68
$\frac{9}{64}$ "-10	360	360	360	360	360	360	360	360	360	360	360	300	240	68
$\frac{1}{8}$ "-11	300	300	300	300	300	300	300	300	300	300	240	240	...	68
$\frac{7}{64}$ "-12	240	240	240	240	240	240	240	240	240	240	240	240	...	68
13	150	150	120	120	120	150	150	150	150	150	...	...	...	54
14	150	150	120	120	120	150	150	150	150	150	...	...	...	54
15	150	150	120	120	120	150	150	150	150	150	...	...	...	54
16	150	150	120	120	120	150	150	150	150	150	...	...	...	54



BLACK STEEL SHEETS

We carry large stocks of standard sized Black Steel Sheets for immediate shipment in gauges 10 to 30 inclusive. For standard sizes, gauges, weights of sheets, weights of bundles, and number of sheets in a bundle, see pages 231 and 249.

BOX ANNEALED

Made of Open Hearth Steel in gauges 10 to 30 inclusive.

UNIFORM COLOR

Manufactured of Open Hearth Steel in gauges of 24 to 30 inclusive.

ONE, TWO OR THREE PASS COLD ROLLED AND BOX ANNEALED

Made from Open Hearth Steel in gauges of 10 to 30 inclusive.

SPECIAL FINISHES

AUTOMOBILE HOOD AND FENDER STOCK

AUTOMOBILE BODY STOCK

FURNITURE STOCK

JAPANNING AND ENAMELING STOCK

DEEP DRAWING STOCK

NICKELPLATING STOCK

CASE AND HANDLE STOCK

STOVE PIPE BLUE

ETC.

Made to suit your requirements.

BLACK STEEL SHEETS

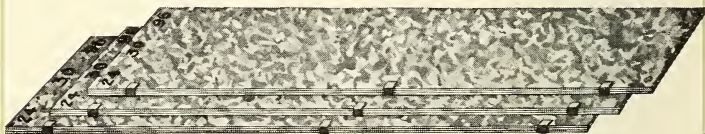
TABLE OF MAXIMUM ROLLING LIMITS

Width Inches	24	26	28	30	32	36	40	44	48	54
	LENGTH IN INCHES									
Gauge										
10	144	144	144	144	144	144	144	120	120	120
11	144	144	144	144	144	144	144	144	144	120
12	150	150	120	120	120	150	150	150	150	150
13	150	150	120	120	120	150	150	150	150	150
14	150	150	120	120	120	150	150	150	150	150
15	150	150	120	120	120	150	150	150	150	150
16	150	150	120	120	120	150	150	150	150	150
17	150	150	120	120	120	150	150	150	150	150
18	120	120	120	120	120	120	120	120	120	120
19	120	120	120	120	120	120	120	120	120	...
20	144	144	144	144	144	120	120	120	120	...
21	144	144	144	144	144	120	120	120	...	...
22	144	144	144	144	144	120	120	120	...	...
23	144	144	144	144	144	120	108	...	...	...
24	144	144	144	144	144	120	108	...	...	...
25	144	144	144	144	144	120	...	...	...	...
26	144	144	144	144	144	120	...	...	...	...
27	144	144	144	144	120	120	...	...	...	...
28	144	144	144	144	120	120	...	...	...	...
29	144	144	144	144	120	96	...	...	...	...
30	96	96	96	96	...	...	...	...	...	...

GALVANIZED STEEL SHEETS

OUR Galvanized Sheets have a very soft, ductile base. They are flat, sheared straight and are true to gauge. The coating of Prime Western Spelter is bright and continuous.

Our Tight Coated Sheets have been demonstrated to be the very best obtainable for forming purposes, as the coating does not peel, and, therefore, the base sheet is always protected from corrosion. Manufacturers of metal window frames after a thorough trial of all makes, prefer ours. The special qualities which have made them chosen for the majority of metal window frame work, fit them especially to the manufacture of tanks, tubs, utensils of all kinds, ventilating pipe—in fact, all galvanized formed products. We carry a large stock of standard sizes for immediate shipment.



GALVANIZED STEEL SHEETS
TABLE OF MAXIMUM ROLLING LIMITS

Width Inches	24	26	28	30	32	36	40	44	48
Gauge	LENGTH IN INCHES								
10	144	144	144	144	144	144	144	120	120
11	144	144	144	144	144	144	144	144	144
12	150	120	120	120	120	150	150	150	150
13	150	120	120	120	120	150	150	150	150
14	150	120	120	120	120	150	150	150	150
15	150	120	120	120	120	150	150	150	150
16	150	120	120	120	120	150	150	150	150
17	150	120	120	120	120	150	150	150	150
18	120	120	120	120	120	120	120	120	120
19	120	120	120	120	120	120	120	120	120
20	144	144	144	144	144	120	120	120	120
21	144	144	144	144	144	120	120	120	...
22	144	144	144	144	144	120	120	120	...
23	144	144	144	144	144	120	108	...	...
24	144	144	144	144	144	120	108	...	...
25	144	144	144	144	144	120	...	...	...
26	144	144	144	144	144	120	...	...	...
27	144	144	144	144	120	120	...	...	...
28	144	144	144	144	120	120	...	...	...
29	144	144	144	144	120	96	...	...	...
30	96	96	96	96	...	...	...	...	...

For Galvanized Sheet Bundling Tables, see page 256
For weights of Galvanized Sheets, see page 241

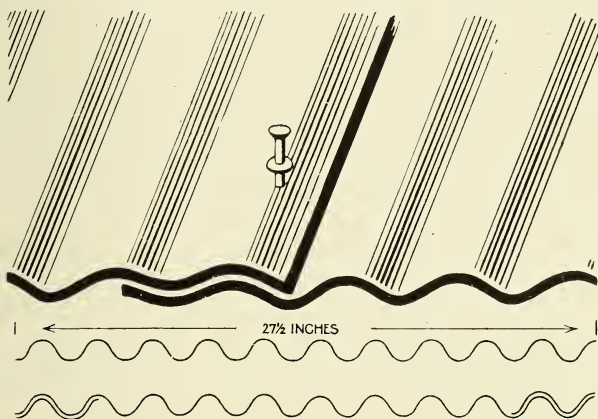
FORMED ROOFINGS

CORRUGATED SHEETS AND ROOFING

Corrugations in Steel Sheets increase their load-bearing strength nine times.

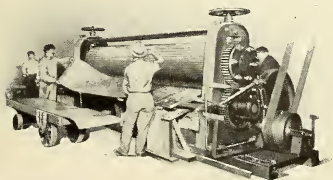
Also used for siding, doors, awnings, ceiling, shutters, etc. We do not recommend Corrugated Roofing for roofs having less than 3-inch pitch.

IMPORTANT. When applying 3-, 2½- or 2-inch Corrugated Sheets as roofing, we recommend sheets 27½ inches wide, applied 1½ corrugations on each lap. The result will be a stronger roof with perfect security from leakage. Corrugated Sheets in sizes men-



tioned, when applied in this way (shown by sketch), have a covering width of 24 inches. When used for siding 26-inch sheets are sufficient, allowing lap of one corrugation.

Unless otherwise specified, 26-inch wide sheets, which have a covering of 24 inches, are always shipped. The selling width of Corrugated Sheets is full width after corrugating. For approximate weights in a square foot, see tables, page 269.

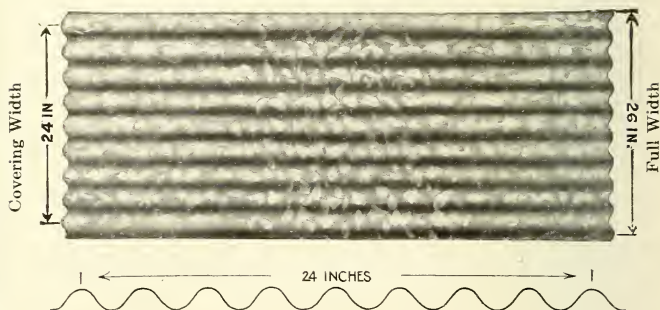


CORRUGATING

Painted Roofing, unless of heavy gauge, is not commendable for greatest service.

3-INCH CORRUGATIONS

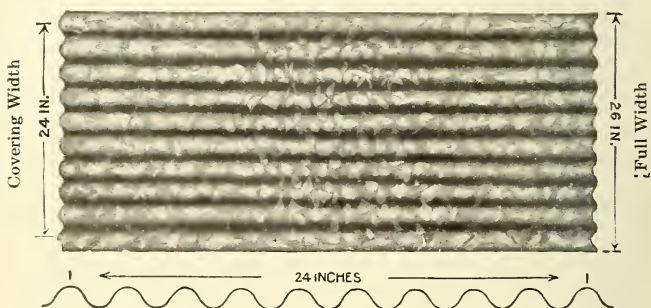
9 CORRUGATIONS TO A SHEET



We make a 3-inch Corrugated Sheet which is used much for heavy structural work and roofs of unusually large area. Furnished in Black, Painted or Galvanized Steel. Gauges, 12 or lighter. Covering width, allowing for lap of one corrugation, is 24 inches. Stock lengths are 5, 6, 7, 8, 9, 10, 11 and 12 feet, but special lengths can be furnished.

2½-INCH CORRUGATIONS

10 CORRUGATIONS TO A SHEET

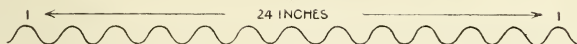
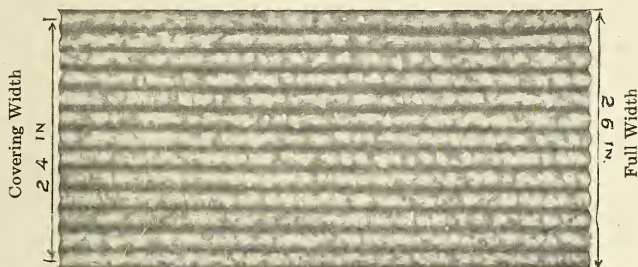


Covering width, 24 inches, allowing for lap of one corrugation. Furnished in Black, Painted or Galvanized Steel. Gauges, 12 and lighter. Regular lengths are 5, 6, 7, 8, 9, 10, 11 and 12 feet, but special lengths can be furnished.

See page 161 for Roof Measurement Rules. Refer to index for other Corrugated Sheet data.

2-INCH CORRUGATIONS

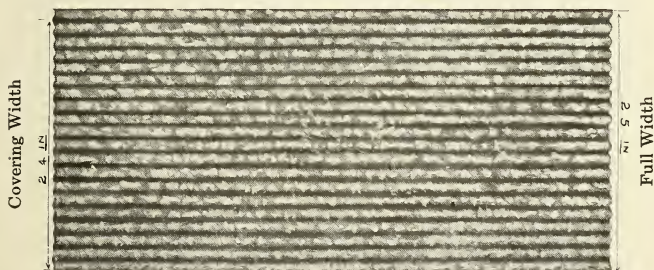
13 CORRUGATIONS TO A SHEET



Corrugations measure 2 inches from center to center. Covering width, 24 inches, allowing for lap of one corrugation. Furnished in Painted or Galvanized Steel. Gauges, 16 and lighter. Regular lengths, 5, 6, 7, 8, 9, 10, 11 and 12 feet, but special lengths can be furnished.

1 $\frac{1}{4}$ -INCH CORRUGATIONS

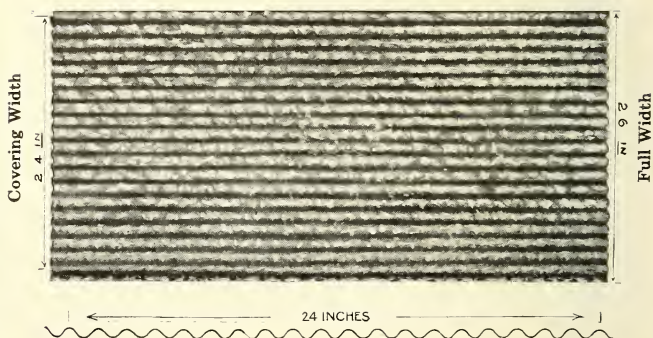
20 CORRUGATIONS TO A SHEET



Twenty corrugations to the sheet, and covering width 24 inches, allowing for lap of one corrugation. Furnished in Painted or Galvanized Steel in gauges 18 and lighter. Stock lengths, 5, 6, 7, 8, 9, 10, 11 and 12 feet, but special lengths made if desired.

"BRIER HILL SPECIAL CORRUGATED"

20½ CORRUGATIONS TO A SHEET

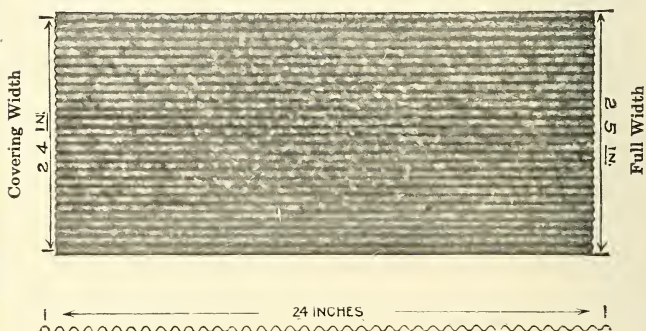


Brier Hill Special Corrugated Sheets made in 1¼-inch Corrugation with an extreme width of 26 inches, permitting a side lap of one and one-half corrugations, which is an extra precaution against leakage.

5/8-INCH CORRUGATIONS

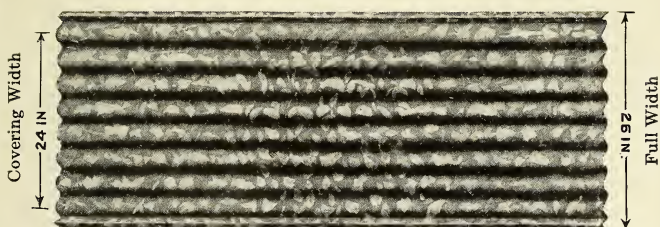
Used for Partitions, Ceilings, Etc.

40 CORRUGATIONS TO A SHEET



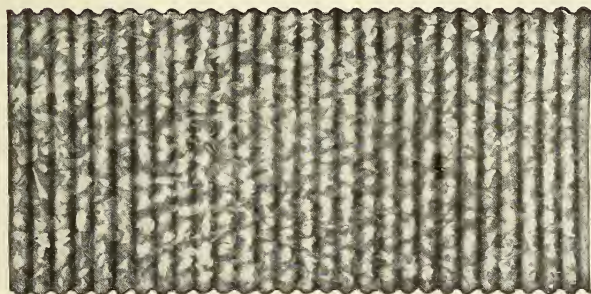
Corrugation 5/8-inch from center to center and 3/16-inch deep. Made of 24 gauge and lighter. Full width, 25 inches; covering width, 24 inches. Carried in stock in lengths of 5, 6, 7, 8, 9, 10 and 11 feet, in both Painted and Galvanized. Maximum length, 12 feet.

CORRUGATED V-CRIMP ROOFING

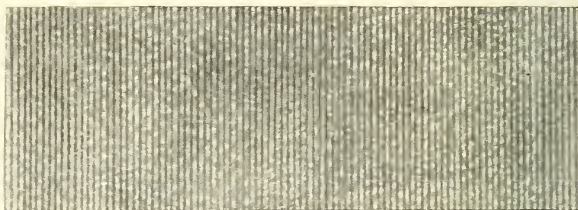


Furnished in Galvanized or Painted Steel, in 24 gauge and lighter. This roofing combines the strength and rigidity of Corrugated with the easily-applied feature of V-Crimped Roofing. It is made in $2\frac{1}{2}$ - and $1\frac{1}{4}$ -inch corrugations, in sheets 24 inches wide from center to center of crimps, and carried in stock in 5, 6, 7, 8, 9, 10, 11 and 12 foot lengths.

CROSS CORRUGATED SHEETS



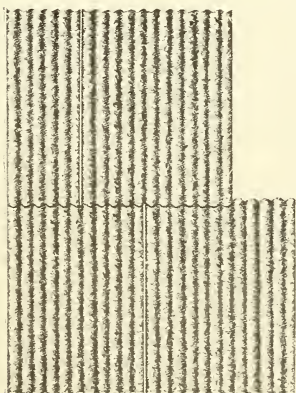
We can furnish sheets corrugated crosswise 132 inches long and shorter, and 40 inches wide and narrower in gauges 12 and lighter. Made in 3-, $2\frac{1}{2}$ -, 2- and $1\frac{1}{4}$ -inch corrugations of painted or galvanized steel. Cross Corrugated Sheets are much used as siding on high buildings.

$\frac{3}{16}$ -INCH CRIMPED SHEETS

Furnished in 144 inches long and shorter, and 36 inches wide and narrower in gauges 22 and lighter. This material is especially adapted for cornices, as the crimps make the sheet perfectly flat and rigid, and at the same time they are easily worked in brakes. Frequently they are used for Side Walls and Ceilings, Borders, Friezes, Window and Door Case Coverings, Panels, Moldings, etc. The crimping makes the sheets about three gauges stiffer and gives them the appearance of dressed stone.

CORRUGATED SIDING

Besides being used for roofing wherever a strong, durable roof is desired, Corrugated Sheets are also used as Siding for factories, mill buildings and the like. For rules of application, see page 148.

CORRUGATED ELEVATOR
SIDING

For elevators and other high buildings we manufacture special length corrugated siding, 32 inches long by 26 inches wide, which lays 24 inches to the weather. This siding is made in 3-, 2½- and 1¼-inch corrugations, gauges 12 and lighter, in painted or galvanized. For method of application, see page 148.

APPLYING CORRUGATED ROOFING ON IRON FRAMING



Fig. 1

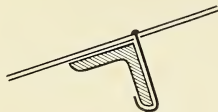


Fig. 2

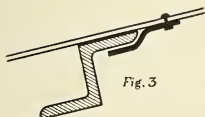


Fig. 3

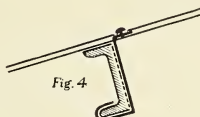


Fig. 4

Fig. 1—Strap iron cleat riveted at each end.

Fig. 3—Cleat made from bar iron, riveted to roofing and binding against the flange of Z bar or angle iron.

Fig. 2—Long wire or clinch nail driven through the corrugated iron and bent around angle iron.

Fig. 4—A strap iron cleat riveted at one end only; the other end clamping flange to channel iron.

Illustrations show some of the best methods to follow in fastening corrugated sheets to iron beams and purlins. Side laps must be riveted each 12 to 18 inches or closer; end laps every alternate corrugation. It requires about six anchors to properly fasten a sheet when it is attached to iron.

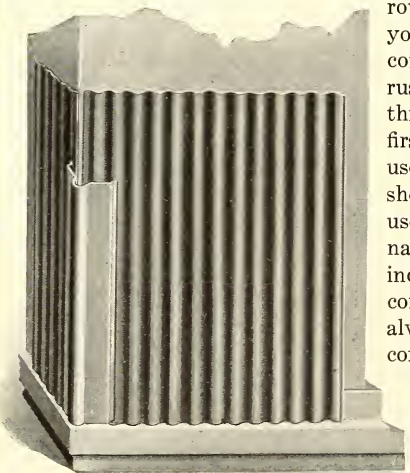
APPLYING CORRUGATED ROOFING

Begin laying the roofing from the end opposite to which the wind blows, i. e., if the wind blows from the left end of the building, start laying the roofing at right end. This is done so the wind will not have the opportunity to drive under the laps. Allow one corrugation of the first sheet to extend over the roof boards at edge, and allow from a two- to three-inch projection of the end of the sheet over the eaves. Be careful to preserve straight lines. Hammer the projecting corrugation down over the edge of roof boards and nail it. Through the tops of every other corrugation drive nails at the eaves. Do not nail except at sides and ends of sheets. The second sheet should be lapped over the first about one and a half corrugations, and nails driven at intervals of eight inches through this lap. In laying the second row of sheets lap the lower end of sheet over the first row about three inches. It is a good plan to paint as the roofing is laid between laps over sheets, thus making them water tight. For light gauge corrugated roofing such as No. 26 and No. 28 there should be close sheathing. For the heavier gauges, sheathing board may be dispensed with and purlins substituted. When

the pitch on roof is less than three inches per foot, Roll and Cap Roofing, or Pressed Standing Seam Roofing should be used. It requires one-half pound of nails to attach a square of Corrugated Roofing. It requires about one-quarter pound of lead washers for the same area, and these should be used under the nails in every instance. See page 149 for Lead Washers.

APPLYING CORRUGATED SIDING

Begin at the bottom. Lap one corrugation at side of each sheet. *Preserve straight lines.* Lap sheets of second row over top of first



row about two inches. If you let the siding come in contact with the ground rust will very rapidly eat through the sheet in the first row. It is advisable to use a base board. When sheathing boards are not used, the siding should be nailed to studding upon 24-inch centers. Heavy gauge corrugated sheets are most always preferable. Nail according to illustration.



APPLYING CORRUGATED ELEVATOR SIDING

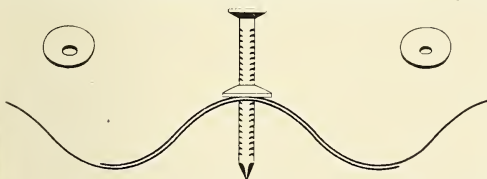
On tall buildings the elevator siding should be laid with a two-inch end lap, and nailed 2 inches above upper edge of sheets in row below. Thus the upper edges of sheets are not nailed but are held in place by the lower edges of sheets above, which are nailed. This method allows two inches in every 32 inches for settling, which must be allowed for in high buildings.

LEAD WASHERS

LEAD WASHERS SHOULD BE USED WITH EVERY NAIL IN A METAL ROOF

A Metal Roof is practically ruined when it has been eaten away by rust from close contact with the nails. By making a watertight

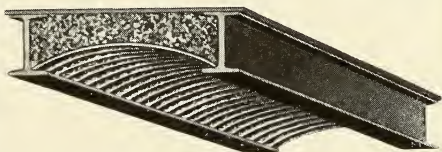
joint under the nail heads, lead washers prevent all leakage and rusting at these points. They are absolutely necessary to maximum service in roofing



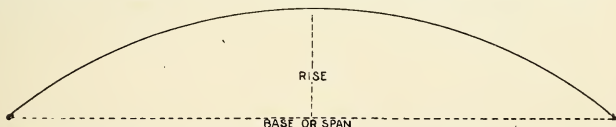
and siding. Very cheap. Last forever. Cut shows how used. One pound—325 washers—enough to put on two or three squares. $\frac{3}{32}$ -inch holes. Sold in any quantity—large quantities packed in 50 and 100-pound boxes.

CURVED CORRUGATED SHEETS

Curved Corrugated Sheets are most frequently used in heavy construction between I-beams, but are also commonly employed in construction of tanks, cisterns, reservoirs, roofs, arches, ventilators, culverts, dormer windows and the like. Made in 16 gauge and lighter, $2\frac{1}{2}$ -inch corrugations, in painted and galvanized steel.



Curved Corrugated Sheets are also furnished curved like illustrations and in these forms are used most frequently for awnings.

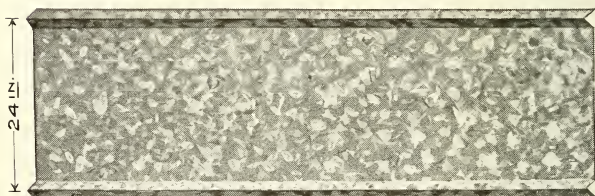


Measurements as marked by dotted lines in above cut should be given when ordering curved sheets. This material is sold by the square. Full width after corrugating, full length before curving. For table for computing lengths of curved sheets, see page 273.

V-CRIMPED ROOFING

For method of application, see page 153. For standard weights in a bundle and square, see pages 269 and 270. For number of sheets in a square, and square feet in a sheet, see page 271.

2-V-CRIMPED ROOFING



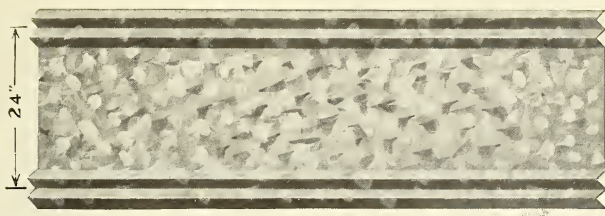
Made in 20 gauge and lighter, painted or galvanized steel, standard lengths, 5, 6, 7, 8, 9, 10 and 11 feet; maximum length, 12 feet. Covering width, 24 inches as measured from apex of crimps. V-Sticks furnished only when specified.

3-V-CRIMPED ROOFING

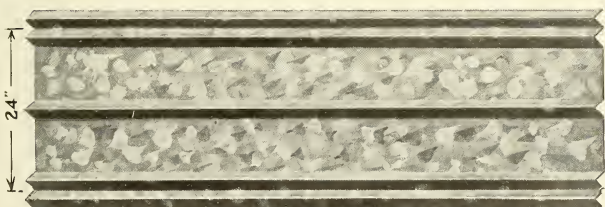


Furnished in 20 gauge and lighter, in painted or galvanized steel. Standard lengths, 5, 6, 7, 8, 9, 10 and 11 feet. Maximum length, 12 feet. Covering width, 24 inches as measured from apex of outside crimps. V-Sticks furnished only when specified.

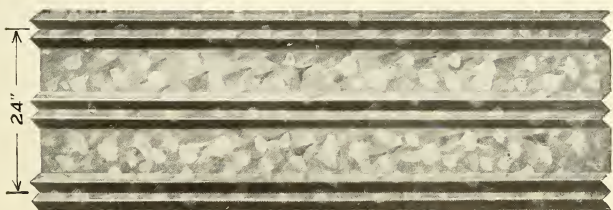
4-V-CRIMPED ROOFING



5-V-CRIMPED ROOFING



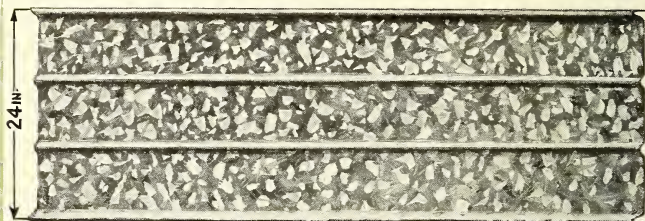
6-V-CRIMPED ROOFING



Owing to the absolute rigidity secured by so many crimps, either 4, 5 or 6 V-Crimp Roofing makes a more rigid roof than 2 or 3 V-Crimp, and a roof, too, less likely to rattle. V-Sticks are not necessary with 4, 5 or 6 V-Crimp, but are furnished when specified.

Made in painted or galvanized steel, in 20 gauge and lighter and in standard lengths, 5, 6, 7, 8, 9, 10 and 11 feet; maximum length, 12 feet. As measured from valley between outside crimps, the covering width of all three styles is 24 inches.

BEADED PRESSED STANDING SEAM ROOFING



The beads stiffen the sheets after the manner of corrugations, and thus prevent the roof from rattling in the wind. The beads also improve the appearance, breaking up the monotony of flat surfaces. This style roofing is applied the same as regular pressed standing seam roofing.

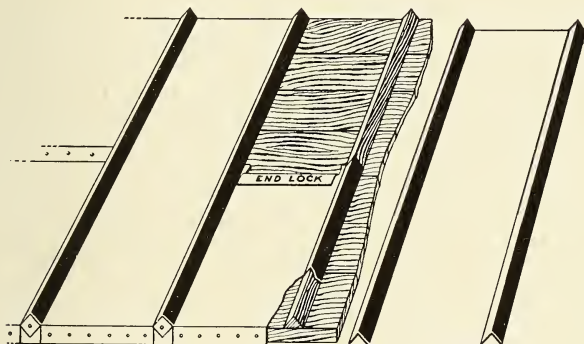
Made in either painted or galvanized steel, in gauges 24 and lighter, and carried in stock lengths of 5, 6, 7, 8, 9, 10 and 12 feet. The selling width is 24 inches.



APPLYING V-CRIMPED ROOFING

A V-Shaped Wood Strip, $\frac{7}{8}$ -inch on each side, is necessary with V-Crimped Roofing. With each 100 square feet of 2 V-Crimp Roofing, 50 lineal feet of V-sticks are required; with 100 square feet of 3 V-Crimp Roofing, 100 lineal feet of V-sticks are required. V-sticks are shipped only when ordered, and take an extra over price of V-Crimp Roofing.

V-sticks are unnecessary with either 4, 5 or 6 V-Crimp Roofing.



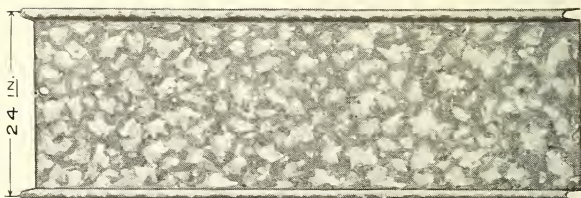
Start laying the V-sticks 24 inches apart (exactly, measured from center to center of apex). Sticks can be laid over an old shingle roof, on sheathing boards placed about two feet apart, or on rafters set on 24-inch centers. When placed on rafters, cross-pieces should be nailed between the rafters wherever the sheets will lap, so as to provide a nailing support for the ends of sheets.

Begin laying the sheets from lower left-hand corner of the roof and from the eaves to the ridge. Lap two inches on ends and one crimp on sides. Nail top of sheet under the end laps every three or four inches; on crimp laps, through the V-stick every eight or ten inches. Use $1\frac{3}{4}$ -inch barbed roofing nails.

Illustration above clearly indicates proper way of fastening the edges of V-Crimp Roofing to eaves. The roof can be fastened at the ridge in the same manner and complete protection effected by using roll or plain Ridge Capping.

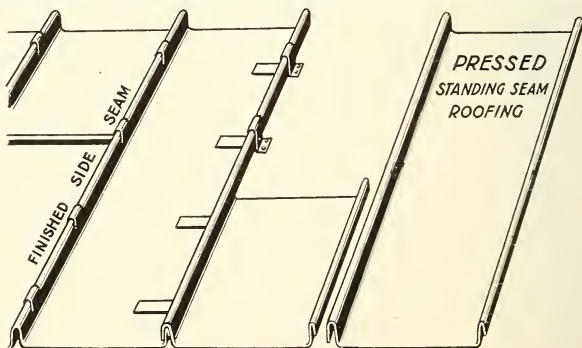


PRESSED STANDING SEAM ROOFING



In Pressed Standing Seam Roofing the sheets are formed with a cap on each side, as shown in the illustration, making a very simple roofing to lay, besides adding to the strength and durability. Standard lengths, 5, 6, 7, 8, 9, 10 and 11 feet. Maximum length, 12 feet. In gauges 24 and lighter. Cleats are furnished only when ordered; half-pound of cleats is required for each square of roofing. See page 161 for measurement rules, and page 269 for weights per square.

APPLYING PRESSED STANDING SEAM ROOFING



Snip and turn the end locks with the jointer by bending one end of the sheet up and the other down. Commence laying at the right-hand corner, at the eave of the building. Flatten the right-hand cap for the first course, and lay the left-hand cap to a chalk line. Let the bottom sheet project over the eave and the end of the building one inch or more, bending the projection down over and nail to the end and eave of the building; or, if there are fire walls, turn the sheet up four to six inches, nail securely and counterflash. Use two cleats on the ends and one every twelve or fourteen inches on the sides.

Continue laying the sheets until the upper part of the roof is reached. If a comb roof, allow one inch on one side and two inches on the opposite side to form a standing seam along the ridge.

Start the next course with the piece, if any, which was cut from the last sheet laid at the comb, with the flanges of the sheets overlapping the first course; press it down, turn the ends of the cleats over and press the seam together with the tongs. The comb is made by turning up one side one inch and the other side two inches, first flattening the standing seams back from the comb six or eight inches. Anchor the one-inch side with cleats and turn the two-inch side over the one-inch. Press the seams thus formed with the tongs.

If you use ridge roll, it will be necessary to make an allowance of three inches of metal from which to form the standing seam along the comb. In this case, finish the seams to the comb, nailing the ridge roll over them. Hips are made in the same way, after cutting to the right angle.

STEEL ROOFING THE BEST PROTECTION FROM LIGHTNING

Buildings that are completely covered with Sheet Metal, and well connected with the earth are practically lightning proof, and have far better protection from lightning than could be given by rods. Covered in this manner, buildings have been known to have been repeatedly struck by lightning without the least damage. Sheet Iron granaries, so common in the West, when well connected with the earth are lightning proof. The ground connection must be made of metallic rods that extend well into the earth and are securely fastened to the metallic covering of the building.

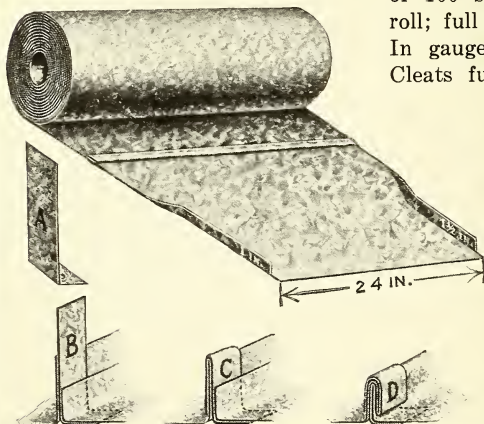
If then, the roof of a building possesses a metallic ridge, eave troughs and down spouts, these will afford very good protection, if they are well protected and well grounded.

The earth is the great reservoir of electrical energy. If lightning can be directed into the moist earth, its energy is soon dissipated, but the ground connection must be of considerable area and extend well into the moist earth. A piece of Galvanized Iron Pipe driven into the ground seven or eight feet, makes a good "ground." Large buildings must have two or more such "grounds." Connecting wire must be securely fastened to the ground connection and No. 3 Galvanized Iron Wire, B & S gauge, is recommended.

SELF-CAPPING AND DOUBLE-SEAMED ROLL ROOFING

(Application Rules on next page)

Self-Capping Roll Roofing made of steel, either painted or galvanized. Put up in rolls of 50 lineal feet, having a covering area of 100 square feet to the roll; full width, 26½ inches. In gauges 24 and lighter. Cleats furnished with this

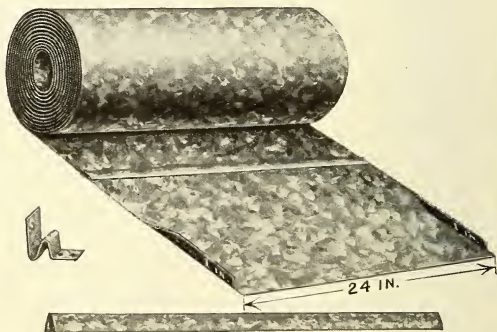


material only when ordered. Half-pound of cleats is required for each roll. Every sheet of our roll roofing is resquared, having double cross lock and notched seams and stick in roll

to protect last seam in shipping.

ROLL AND CAP ROOFING

Made from painted or galvanized steel sheets; full width, 26½ inches. In rolls of 50 lineal feet, covering width, 24 inches; making covering area 100 square feet. In gauges 24 and lighter. Fifty lineal feet of caps and half-pound of cleats are always included with each roll of this material, unless otherwise specified. Seams double cross locked and notched.

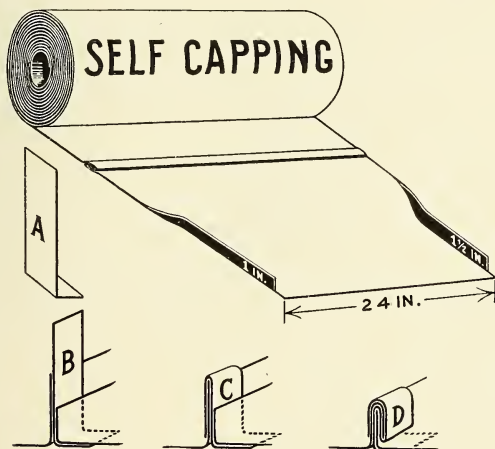


See illustration and method of application on page 157.

DIRECTIONS FOR APPLYING SELF-CAPPING ROLL ROOFING

Unroll and cut off roofing the length of roof, allowing an inch for comb on one side and two inches on the opposite side, and an inch or more for flashing or turning down at eaves. Turn the outside edge of the first strip you lay down over barge board one inch, and nail. Turn the inside edge up one inch, then anchor by using cleats nailed about 14 inches apart.

Drive nails close to edge of roofing, as it holds more firmly. Turn up edge of the next strip $1\frac{1}{2}$ inches and lay it up close to the one-inch edge of the first strip; turn down over the one-inch edge, fold the end of the cleat back over the top of seam and make same tight with tongs.



The comb is made by flattening down the standing seam six to eight inches from the comb, and then turning up the ends on one side one inch and on the opposite side two inches. Anchor the one-inch side with cleats and turn the two-inch over the one-inch end. This makes a standing seam along the comb. If you use ridge roll, it is not necessary to allow the one inch and two inches on opposite sides of the comb. In this case finish the standing seams to the comb and nail the ridge roll over the comb.

Hips are made in the same way after cutting to the right angle.

DIRECTIONS FOR LAYING ROLL ROOFINGS ON FLAT ROOFS

Where the pitch or fall is less than one inch to the foot, lay the roofing, and before putting on the caps, open the seam about one-quarter of an inch, and fill it with a first-class roofing cement; put on the cap and close with the squeezing tongs.

This process makes the roof secure against leakage when snow, ice or water stand upon it; but it is not necessary where the pitch is one inch or greater to the foot.

One-ply red rosin sized sheathing should be laid under the metal to prevent sweating and dripping from condensation in cold weather if gas or steam is used in the building, or where there is heat next to the roof.

ROOF ELEVATION

By the "pitch" of a roof is meant the relation which the height of the ridge above the level of the roof-plates bears to the span, or the distance between the studs on which the roof rests.

The length of rafters for the most common pitches can be found as follows from any given span.

If $\frac{1}{4}$ pitch, multiply span by .559 or 7-12 nearly.

If $\frac{1}{3}$ pitch, multiply span by .6 or 3-5 nearly.

If $\frac{3}{8}$ pitch, multiply span by .625 or 5-8 nearly.

If $\frac{1}{2}$ pitch, multiply span by .71 or 7-10 nearly.

If $\frac{5}{8}$ pitch, multiply span by .8 or 4-5 nearly.

If full pitch, multiply span by 1.12 or $1\frac{1}{8}$ nearly.

To length thus obtained must be added amount of projections of rafters at the eaves.

As rafters must be purchased of even lengths, a few inches more or less on their lengths will make a difference to the pitch so slight that it cannot be detected by the eye.

EXAMPLE. To determine the length of rafters for a roof constructed one-half pitch, with a span of 24 feet— $24 \times .71 = 17.04$; or practically, just 17 feet. A projection of one foot for eaves makes the length to be purchased 18 feet.

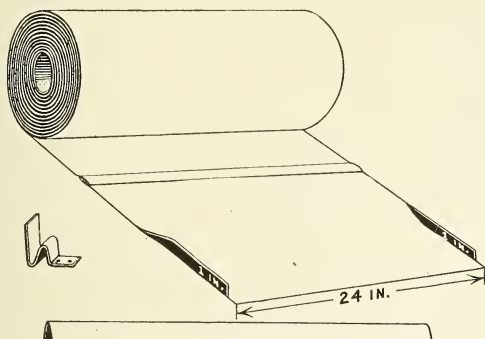
STYLE OF ROOFING TO USE

When the pitch of roof is three inches to the foot or more, Corrugated and V-Crimped Roofing or Metal Shingles may be used. If V-Crimped is desired remember that the extra Vs in 3, 4, 5, and 6 V-Crimped Roofing strengthens the sheet greatly and prevents rattling.

Where the roof pitch is less than three inches to the foot, Roll and Cap, or pressed Standing Seam Roofing must be applied, as slow running water or collected snow cannot seep through the joints in these styles.

For rules for painting, see page 167.

DIRECTIONS FOR APPLYING ROLL AND CAP ROOFING WITH PROTECTED CLEATS



Commence to unroll the roofing at the top of the roof. Measure from the eaves to the comb, adding one inch for turning over at the eave, and one inch for tonging back at the comb. With the tongs turn up one inch along each side of a course. Draw a chalk line to get the first course straight, and commence laying at the right hand, if free to do so, for convenience in nailing. If against a frame building, begin there, flash or turn up the roofing six inches, and nail securely. If against a brick building, flash or turn up the roofing six inches, and nail at intervals into the joints between the bricks, then counterflash by cutting some strips of metal, wedging same into the joints of the bricks, and bending them down over the flashing. After the first course is laid to the chalk line, the cleats are nailed along the side every twelve or fifteen inches, or so to average two cleats at each cap.

Next, bend up a new course, place the same against the first course laid, and bend the prongs of the cleats right and left to receive the caps. Beginning with the wide end of the cap at the eave, slip the cap over the cleats as they are spread right and left, the small end of one cap passing into the wide end of the preceding cap three-fourths of an inch, and continue thus to the comb. Having finished putting on a course of caps, close the seams with the squeezing tongs.

As directed, an extra inch of metal is allowed for the comb lock. Go along the comb and mallet over the standing seams, then tong the extra inch back, then cut some cleats from any waste material,

hook them into the comb lock of each course and nail them to the sheathing. This done, you are ready for the

SECOND SIDE OF THE ROOF

Begin laying the second side at the end of the building where the first side was finished. If, in proceeding, the standing seams come opposite the middle of the course of the first side, it will be easier to make the comb. For making comb, allow $1\frac{1}{2}$ inches extra length to the courses. Notch the upper corners of each course $1 \times \frac{3}{4}$ inch. Bend the $\frac{3}{4}$ -inch projection into the comb lock of the first side with the fingers and squeeze them together with the tongs.

Use same material for valleys. Shape the metal to the angle of the valley by forming it over a straight edge. Tong back one inch along each side of the valley; place it in position and fasten with cleats.

Into the lock of the valley hook the roofing sheets from above, mallet the joints closely and putty them well with elastic roofing cement.

DIRECTIONS FOR APPLYING ROLL AND CAP ROOFING WITH OUTSIDE CLEATS

Directions for applying Roll and Cap Roofing with Outside Cleats are the same as for Roll and Cap Roofing with Protected Cleats, except the cleating and capping, which is clearly illustrated in cut.

The cleat is bent down over the standing seam, the cap is then placed over the seam and cleat, then turn the cleat back over the cap and tighten the seam with squeezing tongs.

HOW TO MEASURE FOR QUANTITY OF ROOFING AND SIDING NEEDED

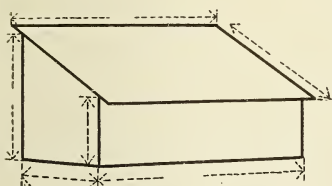


Fig. A—For Shed Roofs

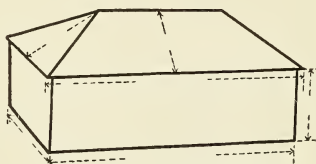


Fig. C—For Hip Roofs

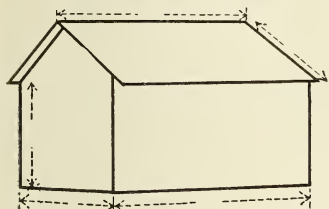


Fig. B—For Ridge Roofs

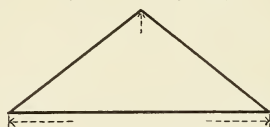


Fig. D—For Gables

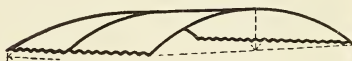


Fig. E—For Curved Sheets for Ceiling

Use that diagram which most nearly resembles your building and measure as indicated. Obtain the number of square feet each of Roofing and Siding required, divide by 100 to obtain squares needed. See tables of Sheets of Roofing in a square on page 271. See pages 149 and 273 for measuring curved sheets for ceilings, I-Beam Spans, etc.

GENERAL MEASUREMENT INFORMATION

With the exception of galvanized material all metal Roofing, Siding, Ceiling, etc., is painted both sides unless differently ordered.

Corrugated material is sold by the square or pound, whichever is preferred, but all other metal Roofing, Siding and Ceilings are sold by the 100 square feet.

One hundred square feet constitutes a "square," and in the various products this is estimated according to the following measurement rules:

Corrugated Sheets, Imitation Stone and Imitation Brick the full width and length of sheets after being formed.

V-Crimped, Beaded and Weatherboard Siding full length and actual covering width.

Standing Seam Roofing actual covering width and full length,

whether connected by end blocks and shipped in rolls or separate and shipped in crates.

Gutters and Valleys full width and length.

Dry Paint, Ready Mixed Paints, Nails and Wood Strips are sold by the pound, gallon or square. (A square being the amount used in applying a square.) Prices quoted on sheet metal goods do not include these items.

Ridge Roll, Ridge Caps, Corner Board, Window or Door Casings. Eaves Trough and Conductor Pipe, etc., are sold by the lineal foot. In measuring for Eaves Trough and Conductor Pipe take the actual length and allow one foot for each angle mitre or shoe.

MEASURING FOR CHARGE AFTER COMPLETION OF WORK

For the Sheet Metal Man

Plain Roofs: Multiply the length (including the turn-up or turn-down at each end or gable) by the distance from eave to eave, and include both the material used in the ridge seams and the material lapped at eaves.

Roofs having Hips, Valleys and the like: Each section should be measured through the center horizontally, and, to obtain area, multiply by the length of the strip of metal at the center running up and down. In addition to the actual surface of the roof also measure the length of the hips and valleys, and multiply one foot and the width to obtain the area. This extra on hip and valley is to make up for the extra labor and waste material in cutting and fitting these parts. Unless any opening such as chimneys, stacks, dormer windows, or ventilators measure more than 50 square feet, you should make no deductions. If the opening measures more than 50 feet and less than 100 square feet, deduct for half the size of the opening. If more than 100 square feet, deduct full size of opening. This rule is followed because the waste of material and additional work necessary in cutting and fitting for flashing such openings is at least equal to the value of the material cut out.

Siding: Multiply full length of each section by the height. Make no deduction for windows, doors, or other openings, unless each of these measures greater than 10 square feet. When less than 25 square feet, deduct for one-half; when more than 25 square feet, make deduction for the whole opening, unless casings to the windows, door and other openings are to be covered with iron or steel, in which case no deduction should be made for openings. *Openings.* Make no deductions for openings, chimneys, stacks, sky-light, dormer window, or ventilators, unless such openings measure more than 50 square feet; if more than 50 square feet and not more than 100 square feet, deduct half the size of the opening; if more

than 100 square feet, deduct the full size of the opening. The labor to flash pipes and round stacks, whether of brick or metal, is charged extra. The reason for not deducting otherwise than as specified is, that the waste of material and extra work in cutting the material for flashing such openings is equal to or greater than the value of the materials cut out.

Gables are estimated by multiplying the width by one-half the height or the height by one-half the width.

Corner Strips are charged for by the lineal foot.

Cornices are charged for by the lineal foot.

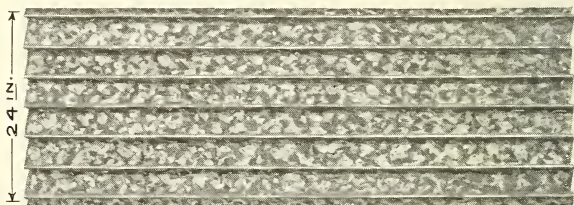


SIDING

Complete stocks of Sidings are carried in our warehouses for prompt shipments. Our stock list, issued semi-monthly, is a photograph in figures of every item in these stocks. Have the list mailed regularly to you.

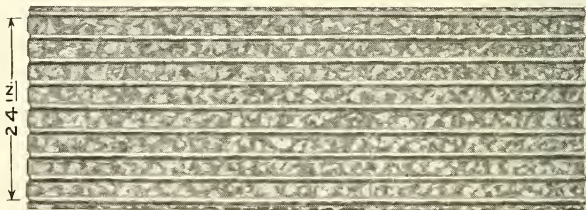
See tables, pages 269 and 270, for weights to the square and bundle.

WEATHERBOARD SIDING



Made in painted or galvanized steel, in gauges 24 and lighter. Stock lengths, 5, 6, 7, 8, 9, 10, 11 and 12 feet. Both covering width and selling width are 24 inches. Each board measures 4 inches in width. A very popular form of siding and a perfect imitation of the old-fashioned clapboard.

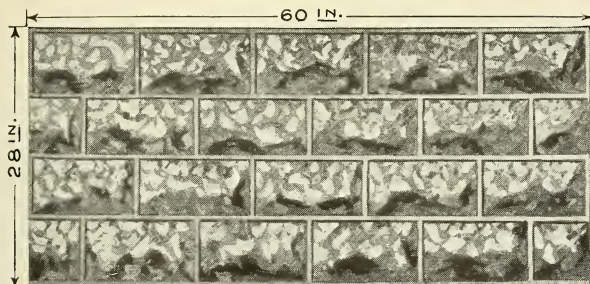
BEADED SIDING



Beads are three inches from center to center, $\frac{3}{8}$ -inch wide and $\frac{1}{8}$ -inch deep. Covering width and selling width are 24 inches. Furnished in painted or galvanized steel, in gauges 26 and lighter. Stock lengths, 5, 6, 7, 8, 9, 10, 11 and 12 feet. This form of siding is also used frequently as ceilings in store rooms and the like. Tables showing approximate weight to a square on page 269. Number of sheets in one square and number of square feet in one sheet are on page 271.

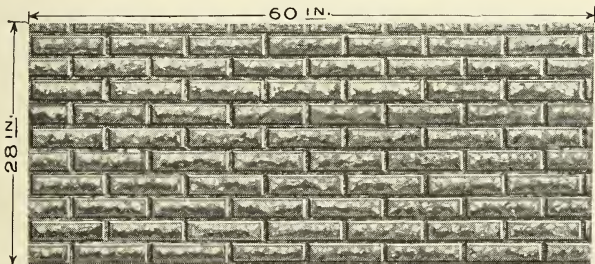
NOTE.—Corrugated Sheets are also used for siding and ceiling; see page 141. Rules for determining quantities of Roofing and Siding required are on page 161, also pages 266, 267, 268 and 271. Unless the Siding is to be applied on sheathing it is advisable always to order sheets to fit distances from center to center of studding.

ROCK FACE STONE SIDING

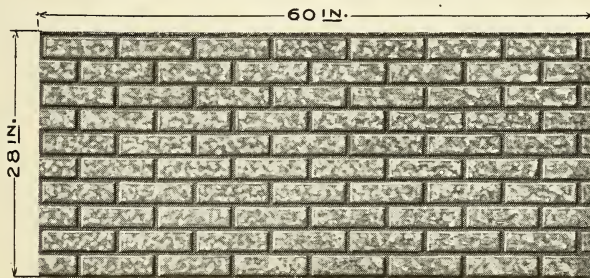


This is one of the most popular of Pressed Steel Sidings. It is widely specified by architects, and used by builders and contractors everywhere, because well adapted for business buildings, theaters, factories and the like. Furnished in sheets 28 x 60 inches, and one size of stone face—7 x 12 inches. Stock lengths are 5, 6, 7, 8, 9, 10, 11 and 12 feet. Carried in stock in 28 gauge and 29 gauge, galvanized, and 28 gauge painted, but can be furnished in gauges 26 and lighter in black, painted or galvanized steel.

ROCK FACE BRICK SIDING



PLAIN PRESSED BRICK SIDING



ROCK FACE BRICK AND PLAIN PRESSED BRICK SIDING

In painted or galvanized steel. Only one stock length, 5 feet. Gauges 24 and lighter. These sidings are much used for facing store fronts, business blocks, opera houses, auditoriums, factory offices, etc., and for these purposes have taken the place of the old time galvanized fronts, because cheaper, much neater in appearance and more easily applied. Size of brick, $2\frac{3}{4} \times 8\frac{3}{8}$ inches with $\frac{3}{8}$ -inch bead between bricks. In stock in sheets 28 x 60 inches; 29 and 28 gauge in galvanized and 28 gauge in painted, but can be furnished in 26 gauge and lighter. For tables showing weights to the square and weights to the bundle, see pages 269 and 270.

APPLYING ROCK FACE BRICK AND STONE SIDING

For Applying Corrugated Siding, see page 148.

Find the level of your building entirely around its base and top with spirit level and chalk line.

At one corner of building place a full sheet of siding laying it so that the end extends at least two feet beyond the corner, and so that the cross grooves are directly over the corner, with the lower edge of the sheet touching the chalk line.

Through the groove, nail the sheet firmly to the wall in order to hold it fast and to bring it down solid all along. Place nails two or three bricks apart beginning at the middle of a sheet and nailing towards ends and sides. Do not nail through the brick.

With the hands or a piece of board, bend the projecting two feet of siding around the corner, and with a mallet hammer down lightly any uneven places.

Lay around the building to the starting point, adjusting the first sheet in the second tier so as to break joints perfectly with the sheet below as in brick work, allowing the half groove at the bottom of a sheet to lap over the first, and fit snugly into the half groove at the top of the first sheet.

After the siding is on, window and door frames can be put in. In cases where the frames are already in, the siding can be faced at the doors and windows the same as for wooden siding.

At doors and windows, cut the sheets about three inches above the bottom sill and an equal distance from the side; after this form the corner thus indicated, cutting obliquely to the corner of window, or door space. Around the side of the studding and down upon the window sill, the metal can then be bent with the hands and nailed in place. The window frames will then be fitted in over laps so that a complete brick surface is shown.

GALVANIZED BARBED ROOFING NAILS

We furnish Galvanized Steel Roofing Nails $\frac{7}{8}$ -inch, 1-inch, $1\frac{1}{4}$ -inch, $1\frac{1}{2}$ -inch, $1\frac{3}{4}$ -inch and 2 inches long, at market prices.

About one-half pound of $\frac{7}{8}$ barbed roofing nails, or three-penny common wire nails are required to each square of siding. These are usually driven through the material without the use of a punch.

PAINTING

All our painted products are covered with high-grade iron oxide and raw linseed oil.

All Painted Metal Roofing, Sidings, etc., should be painted again as soon as applied, in order to cover up any metal that may have been exposed through scratches. Afterwards painting every three to five years suffices, but roofing and siding should be painted anew whenever the paint begins to lose its elasticity and cracks, flakes, crumbles or becomes porous. All steel, therefore, should be carefully investigated at intervals in order to determine the exact condition of the protective agent. No paint which is a product of coal tar should ever touch the surface of any iron or steel sheet, as numerous tests and experience have proven that such paints actually accelerate corrosion. High grades of metallic brown, venetian red and red oxide paints ground in pure linseed oil have been used successfully for many years. Apply paint in a generous coating and rub in thoroughly.

Galvanized Roofings, Sidings, etc., should be kept well covered with paint whenever the atmosphere contains acid fumes such as result from excessive volumes of smoke, or such as are in the neighborhood of blast furnaces and other factories giving off gaseous fumes. The reason for this is the fact that the spelter or zinc, which comprises the galvanized coating, is soluble in most of the acids that are encountered in the air under such conditions, and continued exposure would result in the coating peeling. Galvanized products should be allowed to remain exposed to the atmosphere for about a week before painting, in order that the slightly greasy surface of the galvanizing may weather away and the surface of the zinc become covered with a carbonate. This makes a strong foothold for the paint. In very dirty surroundings the sheets should be washed off before painting. In clean dry atmosphere such as is encountered in the South, Southwest and Northwest especially, it is seldom necessary to paint galvanized material.

AMOUNT OF PAINT

For one coat over one hundred square feet of surface, about one pound of dry mineral paint is required.

ROOFING ACCESSORIES

PLAIN RIDGE ROLL



STYLE A



STYLE B

Made from black, painted or galvanized steel in 16 gauge and lighter, and in any length up to and including 10 feet; standard length 10 feet; standard girth 10 inches. Made in two styles as illustrated. Style B has nailing flange.

STANDARD SIZES

1 1/4" Roll.....	7" Girth.....	2" Apron.
1 1/2" Roll.....	8" Girth.....	2 1/4" Apron.
2" Roll.....	10" Girth.....	2 1/2" Apron.
2 1/2" Roll.....	12" Girth.....	3" Apron.
3" Roll.....	14" Girth.....	3 1/2" Apron.

PLAIN V-RIDGE CAPPING



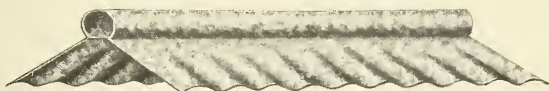
STYLE A



STYLE B

Made from black, painted or galvanized steel, in 16 gauge and lighter, and in any length up to 10 feet; standard length is 8 or 10 feet; standard girth 7 inches. Style B has nailing flange.

CORRUGATED RIDGE ROLL



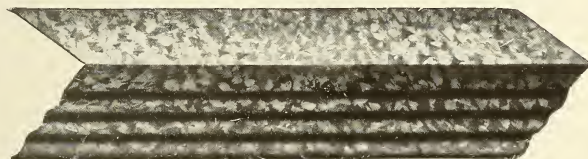
Made from black, painted or galvanized steel, in gauge 16 and lighter. Standard lengths, 26, 96 or 120 inches. Standard girths, 12 and 14 inches. Made to fit $1\frac{1}{4}$ ", 2" and $2\frac{1}{2}$ " corrugations.

CORRUGATED V-RIDGE CAPPING



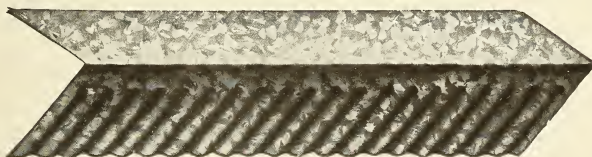
Made from black, painted or galvanized steel, in 16 gauge and lighter. Any length up to 10 feet, which is standard. Girths 8, 10 and 12 inches. Can be furnished in $1\frac{1}{4}$ ", 2" or $2\frac{1}{2}$ " corrugations.

CORRUGATED SIDE WALL FLASHING

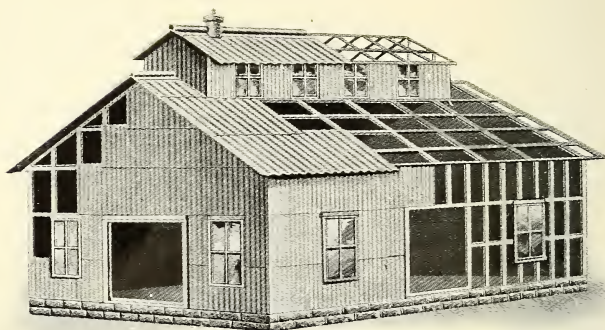


Made from black, painted or galvanized steel, 16 gauge and lighter, in any length up to 10 feet, which is standard. Made with 7-inch apron; girth 13 inches. Furnished in $1\frac{1}{4}$ ", 2" or $2\frac{1}{2}$ " corrugations.

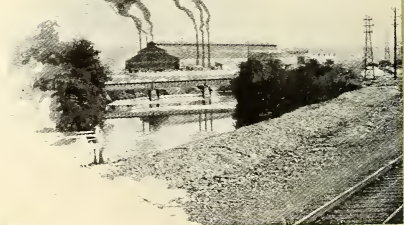
CORRUGATED END WALL FLASHING



Made from black, painted or galvanized steel, 16 gauge and lighter. In 26 inch lengths only. Made with 6-inch corrugated face only. Apron 6 to 12 inches. Standard width of apron is 6 inches. Gauges 16 and lighter.



Illustrating Application Corrugated Sheets: See pages 147 and 148



TABLES OF
WEIGHTS OF SHEET BAR
WEIGHTS OF STEEL PLATES
WEIGHTS OF BLUE ANNEALED
AND BLACK SHEETS
WEIGHTS OF GALVANIZED SHEETS
BUNDLING TABLES FOR
BLACK SHEETS AND GALVANIZED SHEETS
TABLES OF GAUGES
ETC.

TABLE SHOWING DIMENSIONS OF SHEET AND TIN
BAR FROM 7.5 TO 61 POUNDS
PER LINEAL FOOT

Weight Pounds	Dimensions Inches	Weight Pounds	Dimensions Inches	Weight Pounds	Dimensions Inches	Weight Pounds	Dimensions Inches
7.50	.27 x 8	21.00	.77 x 8	34.50	1.26 x 8	48.00	1.77 x 8
7.75	.28 x 8	21.25	.78 x 8	34.75	1.27 x 8	48.25	1.78 x 8
8.00	.29 x 8	21.50	.79 x 8	35.00	1.28 x 8	48.50	1.79 x 8
8.25	.30 x 8	21.75	.80 x 8	35.25	1.29 x 8	48.75	1.80 x 8
8.50	.31 x 8	22.00	.81 x 8	35.50	1.30 x 8	49.00	1.80 x 8
8.75	.32 x 8	22.25	.82 x 8	35.75	1.31 x 8	49.25	1.81 x 8
9.00	.33 x 8	22.50	.83 x 8	36.00	1.32 x 8	49.50	1.82 x 8
9.25	.34 x 8	22.75	.84 x 8	36.25	1.33 x 8	49.75	1.83 x 8
9.50	.35 x 8	23.00	.84 x 8	36.50	1.34 x 8	50.00	1.84 x 8
9.75	.36 x 8	23.25	.85 x 8	36.75	1.35 x 8	50.25	1.85 x 8
10.00	.37 x 8	23.50	.86 x 8	37.00	1.36 x 8	50.50	1.86 x 8
10.25	.38 x 8	23.75	.87 x 8	37.25	1.37 x 8	50.75	1.87 x 8
10.50	.39 x 8	24.00	.88 x 8	37.50	1.38 x 8	51.00	1.87 x 8
10.75	.40 x 8	24.25	.89 x 8	37.75	1.39 x 8	51.25	1.88 x 8
11.00	.41 x 8	24.50	.90 x 8	38.00	1.40 x 8	51.50	1.89 x 8
11.25	.42 x 8	24.75	.91 x 8	38.25	1.40 x 8	51.75	1.90 x 8
11.50	.43 x 8	25.00	.92 x 8	38.50	1.41 x 8	52.00	1.91 x 8
11.75	.43 x 8	25.25	.93 x 8	38.75	1.42 x 8	52.25	1.92 x 8
12.00	.44 x 8	25.50	.94 x 8	39.00	1.43 x 8	52.50	1.93 x 8
12.25	.45 x 8	25.75	.94 x 8	39.25	1.44 x 8	52.75	1.94 x 8
12.50	.46 x 8	26.00	.95 x 8	39.50	1.45 x 8	53.00	1.94 x 8
12.75	.47 x 8	26.25	.96 x 8	39.75	1.46 x 8	53.25	1.95 x 8
13.00	.48 x 8	26.50	.97 x 8	40.00	1.47 x 8	53.50	1.96 x 8
13.25	.49 x 8	26.75	.98 x 8	40.25	1.48 x 8	53.75	1.97 x 8
13.50	.50 x 8	27.00	.99 x 8	40.50	1.49 x 8	54.00	1.98 x 8
13.75	.51 x 8	27.25	1.00 x 8	40.75	1.50 x 8	54.25	1.99 x 8
14.00	.52 x 8	27.50	1.01 x 8	41.00	1.50 x 8	54.50	2.00 x 8
14.25	.53 x 8	27.75	1.02 x 8	41.25	1.51 x 8	54.75	2.01 x 8
14.50	.54 x 8	28.00	1.03 x 8	41.50	1.52 x 8	55.00	2.02 x 8
14.75	.55 x 8	28.25	1.04 x 8	41.75	1.53 x 8	55.25	2.03 x 8
15.00	.56 x 8	28.50	1.05 x 8	42.00	1.54 x 8	55.50	2.04 x 8
15.25	.57 x 8	28.75	1.06 x 8	42.25	1.55 x 8	55.75	2.05 x 8
15.50	.57 x 8	29.00	1.06 x 8	42.50	1.56 x 8	56.00	2.05 x 8
15.75	.58 x 8	29.25	1.07 x 8	42.75	1.57 x 8	56.25	2.06 x 8
16.00	.59 x 8	29.50	1.08 x 8	43.00	1.58 x 8	56.50	2.07 x 8
16.25	.60 x 8	29.75	1.09 x 8	43.25	1.59 x 8	56.75	2.08 x 8
16.50	.61 x 8	30.00	1.09 x 8	43.50	1.60 x 8	57.00	2.09 x 8
16.75	.62 x 8	30.25	1.10 x 8	43.75	1.61 x 8	57.25	2.10 x 8
17.00	.63 x 8	30.50	1.11 x 8	44.00	1.62 x 8	57.50	2.11 x 8
17.25	.64 x 8	30.75	1.12 x 8	44.25	1.63 x 8	57.75	2.12 x 8
17.50	.65 x 8	31.00	1.13 x 8	44.50	1.64 x 8	58.00	2.13 x 8
17.75	.66 x 8	31.25	1.14 x 8	44.75	1.65 x 8	58.25	2.14 x 8
18.00	.66 x 8	31.50	1.15 x 8	45.00	1.66 x 8	58.50	2.15 x 8
18.25	.67 x 8	31.75	1.16 x 8	45.25	1.66 x 8	58.75	2.15 x 8
18.50	.68 x 8	32.00	1.17 x 8	45.50	1.67 x 8	59.00	2.16 x 8
18.75	.69 x 8	32.25	1.18 x 8	45.75	1.68 x 8	59.25	2.17 x 8
19.00	.70 x 8	32.50	1.19 x 8	46.00	1.69 x 8	59.50	2.18 x 8
19.25	.71 x 8	32.75	1.20 x 8	46.25	1.70 x 8	59.75	2.19 x 8
19.50	.72 x 8	33.00	1.20 x 8	46.50	1.71 x 8	60.00	2.20 x 8
19.75	.73 x 8	33.25	1.21 x 8	46.75	1.72 x 8	60.25	2.21 x 8
20.00	.74 x 8	33.50	1.22 x 8	47.00	1.73 x 8	60.50	2.22 x 8
20.25	.75 x 8	33.75	1.23 x 8	47.25	1.74 x 8	60.75	2.23 x 8
20.50	.75 x 8	34.00	1.24 x 8	47.50	1.75 x 8	61.00	2.24 x 8
20.75	.76 x 8	34.25	1.25 x 8	47.75	1.76 x 8	....	.....

METHOD OF USING TABLE OF WEIGHTS OF PLATES

THE following table for computing the weights of plates is a great improvement over any system heretofore devised.

To determine the weight of any rectangular plate of known dimensions, multiply the length in inches by the number shown in the table opposite the corresponding width and thickness and the result is the weight of plate in pounds.

For example: A plate $1\frac{1}{16}$ " thick, $9\frac{1}{4}$ " wide and 93" long weighs 93 times 2.7843 or 259 pounds.

WEIGHTS OF PLATES

Thickness	Width in Inches							
	8	8¼	8½	8¾	9	9¼	9½	9¾
2	4.5328	4.6745	4.8161	4.9578	5.0994	5.2411	5.3827	5.5244
1½	4.3912	4.5284	4.6656	4.8028	4.9400	5.0773	5.2145	5.3517
1¼	4.2495	4.3823	4.5151	4.6479	4.7807	4.9135	5.0463	5.1791
1⅓	4.1078	4.2362	4.3646	4.4930	4.6213	4.7497	4.8781	5.0064
1¼	3.9662	4.0901	4.2141	4.3380	4.4620	4.5859	4.7099	4.8338
1⅓	3.8245	3.9441	4.0636	4.1831	4.3026	4.4221	4.5417	4.6612
1⅔	3.6829	3.7980	3.9131	4.0282	4.1433	4.2584	4.3734	4.4885
1⅝	3.5412	3.6519	3.7626	3.8732	3.9839	4.0946	4.2052	4.3159
1½	3.3996	3.5058	3.6121	3.7183	3.8246	3.9308	4.0370	4.1433
1⅞	3.2579	3.3598	3.4616	3.5634	3.6652	3.7670	3.8688	3.9706
1⅝	3.1163	3.2137	3.3111	3.4085	3.5058	3.6032	3.7006	3.7980
1⅞	2.9746	3.0676	3.1606	3.2535	3.3465	3.4394	3.5324	3.6254
1¾	2.8330	2.9215	3.0101	3.0986	3.1871	3.2757	3.3642	3.4527
1⅞	2.6914	2.7755	2.8596	2.9437	3.0278	3.1119	3.1960	3.2801
1⅝	2.5497	2.6294	2.7091	2.7887	2.8684	2.9481	3.0278	3.1074
1⅞	2.4080	2.4833	2.5586	2.6338	2.7091	2.7843	2.8596	2.9348
1	2.2664	2.3372	2.4081	2.4789	2.5497	2.6205	2.6914	2.7622
⅞	2.1247	2.1911	2.2575	2.3239	2.3903	2.4567	2.5231	2.5895
¾	1.9831	2.0451	2.1070	2.1690	2.2310	2.2930	2.3549	2.4169
⅞	1.8414	1.8990	1.9565	2.0141	2.0716	2.1292	2.1867	2.2443
¾	1.6998	1.7529	1.8060	1.8592	1.9123	1.9654	2.0185	2.0716
⅞	1.5581	1.6068	1.6555	1.7042	1.7529	1.8016	1.8503	1.8990
⅝	1.4165	1.4608	1.5050	1.5493	1.5936	1.6378	1.6821	1.7264
⅞	1.2748	1.3147	1.3545	1.3944	1.4342	1.4740	1.5139	1.5537
½	1.1332	1.1686	1.2040	1.2394	1.2749	1.3103	1.3457	1.3811
⅝	1.0624	1.0956	1.1288	1.1620	1.1952	1.2284	1.2616	1.2948
⅞	.9916	1.0225	1.0535	1.0845	1.1155	1.1465	1.1775	1.2085
⅞	.9207	.9495	.9783	1.0070	1.0358	1.0646	1.0934	1.1221
¾	.8499	.8765	.9030	.9296	.9561	.9827	1.0093	1.0358
⅞	.7791	.8034	.8278	.8521	.8766	.9008	.9252	.9495
⅞	.7082	.7304	.7525	.7746	.7968	.8189	.8410	.8632
¾	.6374	.6573	.6773	.6972	.7171	.7370	.7569	.7769
⅞	.6020	.6208	.6396	.6585	.6773	.6961	.7149	.7337
¼	.5666	.5843	.6020	.6197	.6374	.6551	.6728	.6905
⅞	.5312	.5478	.5644	.5810	.5976	.6142	.6308	.6474
⅞	.4958	.5113	.5268	.5423	.5577	.5732	.5887	.6042
⅞	.4604	.4747	.4891	.5035	.5179	.5323	.5467	.5611
⅞	.4250	.4382	.4515	.4648	.4781	.4913	.5046	.5179
⅞	.3895	.4017	.4139	.4261	.4382	.4504	.4626	.4747
⅞	.3541	.3652	.3763	.3873	.3984	.4095	.4205	.4316
⅞	.3187	.3287	.3386	.3486	.3586	.3685	.3785	.3884
⅞	.2833	.2922	.3010	.3099	.3187	.3276	.3364	.3453
⅞	.2479	.2556	.2634	.2711	.2789	.2866	.2944	.3021

For method of using this table, see page 173

WEIGHTS OF PLATES

Thick- ness	WIDTH IN INCHES							
	10	10¼	10½	10¾	11	11¼	11½	11¾
2	5.6660	5.8077	5.9493	6.0910	6.2326	6.3743	6.5159	6.6576
1½	5.4889	5.6262	5.7634	5.9006	6.0378	6.1751	6.3123	6.4495
1⅞	5.3119	5.4447	5.5775	5.7103	5.8431	5.9759	6.1087	6.2415
1⅓	5.1348	5.2632	5.3916	5.5199	5.6483	5.7767	5.9050	6.0334
1¾	4.9578	5.0817	5.2056	5.3296	5.4535	5.5775	5.7014	5.8254
1⅓	4.7807	4.9002	5.0197	5.1392	5.2588	5.3783	5.4978	5.6173
1⅝	4.6036	4.7187	4.8338	4.9489	5.0640	5.1791	5.2942	5.4093
1⅞	4.4266	4.5372	4.6479	4.7586	4.8692	4.9799	5.0905	5.2012
1½	4.2495	4.3557	4.4620	4.5682	4.6745	4.7807	4.8869	4.9932
1⅞	4.0724	4.1742	4.2761	4.3779	4.4797	4.5815	4.6833	4.7851
1⅞	3.8954	3.9928	4.0901	4.1875	4.2849	4.3823	4.4797	4.5771
1⅝	3.7183	3.8113	3.9042	3.9972	4.0901	4.1831	4.2761	4.3690
1¼	3.5413	3.6298	3.7183	3.8068	3.8954	3.9839	4.0724	4.1610
1⅓	3.3642	3.4483	3.5324	3.6165	3.7006	3.7847	3.8688	3.9529
1⅞	3.1871	3.2668	3.3465	3.4262	3.5058	3.5855	3.6652	3.7449
1⅞	3.0101	3.0853	3.1606	3.2358	3.3111	3.3863	3.4616	3.5368
1	2.8330	2.9038	2.9747	3.0455	3.1163	3.1871	3.2580	3.3288
1⅝	2.6559	2.7223	2.7887	2.8551	2.9215	2.9879	3.0543	3.1207
1⅞	2.4789	2.5408	2.6028	2.6648	2.7268	2.7887	2.8507	2.9127
1⅓	2.3018	2.3594	2.4169	2.4744	2.5320	2.5895	2.6471	2.7046
¾	2.1248	2.1779	2.2310	2.2841	2.3372	2.3903	2.4435	2.4966
1⅓	1.9477	1.9964	2.0451	2.0938	2.1425	2.1911	2.2398	2.2885
⅝	1.7706	1.8149	1.8592	1.9034	1.9477	1.9920	2.0362	2.0805
1⅞	1.5936	1.6334	1.6732	1.7131	1.7529	1.7928	1.8326	1.8724
1½	1.4165	1.4519	1.4873	1.5227	1.5582	1.5936	1.6290	1.6644
1½	1.3280	1.3612	1.3944	1.4276	1.4608	1.4940	1.5272	1.5604
1⅞	1.2394	1.2704	1.3014	1.3324	1.3634	1.3944	1.4254	1.4563
1½	1.1509	1.1797	1.2085	1.2372	1.2660	1.2948	1.3235	1.3523
¾	1.0624	1.0889	1.1155	1.1421	1.1686	1.1952	1.2217	1.2483
1½	.9738	.9982	1.0225	1.0469	1.0712	1.0956	1.1199	1.1443
1⅞	.8853	.9074	.9296	.9517	.9738	.9960	1.0181	1.0402
1½	.7968	.8167	.8366	.8565	.8765	.8964	.9163	.9362
1¼	.7083	.7260	.7437	.7614	.7791	.7968	.8145	.8322
1⅞	.6640	.6806	.6972	.7138	.7304	.7470	.7636	.7802
1½	.6197	.6352	.6507	.6662	.6817	.6972	.7127	.7282
1¼	.5755	.5898	.6042	.6186	.6330	.6474	.6618	.6762
1⅞	.5312	.5445	.5577	.5710	.5843	.5976	.6109	.6241
1¼	.4869	.4991	.5113	.5234	.5356	.5478	.5600	.5721
1½	.4427	.4537	.4648	.4759	.4869	.4980	.5091	.5201
¾	.3984	.4084	.4183	.4283	.4382	.4482	.4581	.4681
1⅞	.3541	.3630	.3718	.3807	.3895	.3984	.4072	.4161
1¼	.3099	.3176	.3254	.3331	.3408	.3486	.3563	.3641

For method of using this table, see page 173

WEIGHTS OF PLATES

Thick- ness	WIDTH IN INCHES							
	12	12¼	12½	12¾	13	13¼	13½	13¾
2	6.7992	6.9409	7.0825	7.2242	7.3658	7.5075	7.6491	7.7908
1½	6.5867	6.7239	6.8612	6.9984	7.1356	7.2728	7.4101	7.5473
1⅝	6.3742	6.5070	6.6398	6.7726	6.9054	7.0382	7.1710	7.3038
1⅞	6.1618	6.2901	6.4185	6.5469	6.6753	6.8036	6.9320	7.0604
1¾	5.9493	6.0732	6.1972	6.3211	6.4451	6.5690	6.6930	6.8169
1⅞	5.7368	5.8563	5.9759	6.0954	6.2149	6.3344	6.4539	6.5734
1⅝	5.5243	5.6394	5.7545	5.8696	5.9847	6.0998	6.2149	6.3300
1⅞	5.3119	5.4225	5.5332	5.6439	5.7545	5.8652	5.9759	6.0865
1½	5.0994	5.2056	5.3119	5.4181	5.5244	5.6306	5.7368	5.8431
1⅞	4.8869	4.9887	5.0905	5.1924	5.2942	5.3960	5.4978	5.5996
1⅞	4.6744	4.7718	4.8692	4.9666	5.0640	5.1614	5.2588	5.3561
1⅞	4.4620	4.5549	4.6479	4.7408	4.8338	4.9268	5.0197	5.1127
1¼	4.2495	4.3380	4.4266	4.5151	4.6036	4.6922	4.7807	4.8692
1⅞	4.0370	4.1211	4.2052	4.2893	4.3734	4.4575	4.5417	4.6258
1⅞	3.8245	3.9042	3.9839	4.0636	4.1433	4.2229	4.3026	4.3823
1⅞	3.6121	3.6873	3.7626	3.8378	3.9131	3.9883	4.0636	4.1388
1	3.3996	3.4704	3.5413	3.6121	3.6829	3.7537	3.8246	3.8954
⅞	3.1871	3.2535	3.3199	3.3863	3.4527	3.5191	3.5855	3.6519
⅞	2.9746	3.0366	3.0986	3.1606	3.2225	3.2845	3.3465	3.4085
⅞	2.7622	2.8197	2.8773	2.9348	2.9924	3.0499	3.1074	3.1650
¾	2.5497	2.6028	2.6559	2.7091	2.7622	2.8153	2.8684	2.9215
⅞	2.3372	2.3859	2.4346	2.4833	2.5320	2.5807	2.6294	2.6781
⅞	2.1247	2.1690	2.2133	2.2575	2.3018	2.3461	2.3903	2.4346
⅞	1.9123	1.9521	1.9920	2.0318	2.0716	2.1115	2.1513	2.1911
½	1.6998	1.7352	1.7706	1.8060	1.8415	1.8769	1.9123	1.9477
⅞	1.5936	1.6268	1.6600	1.6932	1.7264	1.7596	1.7928	1.8260
⅞	1.4873	1.5183	1.5493	1.5803	1.6113	1.6423	1.6732	1.7042
⅞	1.3811	1.4099	1.4386	1.4674	1.4962	1.5250	1.5537	1.5825
⅞	1.2748	1.3014	1.3280	1.3545	1.3811	1.4076	1.4342	1.4608
⅞	1.1686	1.1930	1.2173	1.2417	1.2660	1.2903	1.3147	1.3390
⅞	1.0624	1.0845	1.1066	1.1288	1.1509	1.1730	1.1952	1.2173
⅞	.9561	.9761	.9960	1.0159	1.0358	1.0557	1.0757	1.0956
⅞	.9030	.9218	.9406	.9595	.9783	.9971	1.0159	1.0347
¼	.8499	.8676	.8853	.9030	.9207	.9384	.9561	.9738
⅞	.7968	.8134	.8300	.8466	.8632	.8798	.8964	.9130
⅞	.7437	.7592	.7746	.7901	.8056	.8211	.8366	.8521
⅞	.6905	.7049	.7193	.7337	.7481	.7625	.7769	.7912
⅞	.6374	.6507	.6640	.6773	.6905	.7038	.7171	.7304
⅞	.5843	.5965	.6087	.6208	.6330	.6452	.6573	.6695
⅞	.5312	.5423	.5533	.5644	.5755	.5865	.5976	.6087
⅞	.4781	.4880	.4980	.5079	.5179	.5279	.5378	.5478
⅞	.4249	.4338	.4427	.4515	.4604	.4692	.4781	.4869
⅞	.3718	.3796	.3873	.3951	.4028	.4106	.4183	.4261

For method of using this table, see page 173

WEIGHTS OF PLATES

Thick- ness	WIDTH IN INCHES							
	14	14¼	14½	14¾	15	15¼	15½	15¾
2	7.9324	8.0741	8.2157	8.3574	8.4990	8.6407	8.7823	8.9240
1½	7.6845	7.8217	7.9590	8.0962	8.2334	8.3706	8.5079	8.6451
1¼	7.4366	7.5694	7.7022	7.8350	7.9678	8.1006	8.2334	8.3662
1⅓	7.1887	7.3171	7.4455	7.5738	7.7022	7.8306	7.9590	8.0873
1¼	6.9409	7.0648	7.1887	7.3127	7.4366	7.5606	7.6845	7.8085
1⅓	6.6930	6.8125	6.9320	7.0515	7.1710	7.2905	7.4101	7.5296
1⅔	6.4451	6.5602	6.6753	6.7903	6.9054	7.0205	7.1356	7.2507
1⅕	6.1972	6.3079	6.4185	6.5292	6.6398	6.7505	6.8612	6.9718
1½	5.9493	6.0555	6.1618	6.2680	6.3743	6.4805	6.5867	6.6930
1⅕	5.7014	5.8032	5.9050	6.0068	6.1087	6.2105	6.3123	6.4141
1⅔	5.4535	5.5509	5.6483	5.7457	5.8431	5.9404	6.0378	6.1352
1⅕	5.2056	5.2986	5.3916	5.4845	5.5775	5.6704	5.7634	5.8563
1¼	4.9578	5.0463	5.1348	5.2233	5.3119	5.4004	5.4889	5.5775
1⅓	4.7099	4.7940	4.8781	4.9622	5.0463	5.1304	5.2145	5.2986
1⅔	4.4620	4.5417	4.6213	4.7010	4.7807	4.8604	4.9400	5.0197
1⅕	4.2141	4.2893	4.3646	4.4398	4.5151	4.5903	4.6656	4.7408
1	3.9662	4.0370	4.1079	4.1787	4.2495	4.3203	4.3912	4.4620
⅔	3.7183	3.7847	3.8511	3.9175	3.9839	4.0503	4.1167	4.1831
⅕	3.4704	3.5324	3.5944	3.6563	3.7183	3.7803	3.8423	3.9042
⅓	3.2225	3.2801	3.3376	3.3952	3.4527	3.5103	3.5678	3.6254
¾	2.9747	3.0278	3.0809	3.1340	3.1871	3.2402	3.2934	3.3465
⅓	2.7268	2.7755	2.8241	2.8728	2.9215	2.9702	3.0189	3.0676
⅕	2.4789	2.5231	2.5674	2.6117	2.6559	2.7002	2.7445	2.7887
⅕	2.2310	2.2708	2.3107	2.3505	2.3903	2.4302	2.4700	2.5099
½	1.9831	2.0185	2.0539	2.0893	2.1248	2.1602	2.1956	2.2310
⅓	1.8592	1.8924	1.9256	1.9588	1.9920	2.0252	2.0584	2.0916
⅕	1.7352	1.7662	1.7972	1.8282	1.8592	1.8901	1.9211	1.9521
⅓	1.6113	1.6400	1.6688	1.6976	1.7264	1.7551	1.7839	1.8127
⅕	1.4873	1.5139	1.5404	1.5670	1.5936	1.6201	1.6467	1.6732
⅓	1.3634	1.3877	1.4121	1.4364	1.4608	1.4851	1.5095	1.5338
⅕	1.2394	1.2616	1.2837	1.3058	1.3280	1.3501	1.3722	1.3944
⅓	1.1155	1.1354	1.1553	1.1753	1.1952	1.2151	1.2350	1.2549
⅕	1.0535	1.0723	1.0911	1.1100	1.1288	1.1476	1.1664	1.1852
¼	.9916	1.0093	1.0270	1.0447	1.0624	1.0801	1.0978	1.1155
⅕	.9296	.9462	.9628	.9794	.9960	1.0126	1.0292	1.0458
⅓	.8676	.8831	.8986	.9141	.9296	.9451	.9606	.9761
⅕	.8056	.8200	.8344	.8488	.8632	.8776	.8920	.9063
⅕	.7437	.7569	.7702	.7835	.7968	.8101	.8233	.8366
⅓	.6817	.6939	.7060	.7182	.7304	.7426	.7547	.7669
⅕	.6197	.6308	.6419	.6529	.6640	.6751	.6861	.6972
⅕	.5577	.5677	.5777	.5876	.5976	.6075	.6175	.6275
⅕	.4958	.5046	.5135	.5223	.5312	.5400	.5489	.5577
⅕	.4338	.4415	.4493	.4570	.4648	.4725	.4803	.4880

For method of using this table, see page 173

WEIGHTS OF PLATES

Thick- ness	WIDTH IN INCHES							
	16	16¼	16½	16¾	17	17¼	17½	17¾
2	9.0656	9.2073	9.3489	9.4906	9.6322	9.7739	9.9155	10.0572
1½	8.7823	8.9195	9.0567	9.1940	9.3312	9.4684	9.6056	9.7429
1¼	8.4990	8.6318	8.7646	8.8974	9.0302	9.1630	9.2958	9.4286
1⅓	8.2157	8.3441	8.4724	8.6008	8.7292	8.8576	8.9859	9.1143
1¼	7.9324	8.0563	8.1803	8.3042	8.4282	8.5521	8.6761	8.8000
1⅓	7.6491	7.7686	7.8881	8.0077	8.1272	8.2467	8.3662	8.4857
1⅔	7.3658	7.4809	7.5960	7.7111	7.8262	7.9413	8.0563	8.1714
1⅕	7.0825	7.1932	7.3038	7.4145	7.5252	7.6358	7.7465	7.8571
1½	6.7992	6.9054	7.0117	7.1179	7.2242	7.3304	7.4366	7.5429
1⅙	6.5159	6.6177	6.7195	6.8213	6.9231	7.0250	7.1268	7.2286
1⅔	6.2326	6.3300	6.4274	6.5248	6.6221	6.7195	6.8169	6.9143
1⅕	5.9493	6.0423	6.1352	6.2282	6.3211	6.4141	6.5070	6.6000
1¼	5.6660	5.7545	5.8431	5.9316	6.0201	6.1087	6.1972	6.2857
1⅓	5.3827	5.4668	5.5509	5.6350	5.7191	5.8032	5.8873	5.9714
1⅔	5.0994	5.1791	5.2588	5.3384	5.4181	5.4978	5.5775	5.6571
1⅙	4.8161	4.8914	4.9666	5.0419	5.1171	5.1924	5.2676	5.3429
1	4.5328	4.6036	4.6745	4.7453	4.8161	4.8869	4.9578	5.0286
¾	4.2495	4.3159	4.3823	4.4487	4.5151	4.5815	4.6479	4.7143
⅔	3.9662	4.0282	4.0901	4.1521	4.2141	4.2761	4.3380	4.4000
⅕	3.6829	3.7404	3.7980	3.8555	3.9131	3.9706	4.0282	4.0857
¾	3.3996	3.4527	3.5058	3.5590	3.6121	3.6652	3.7183	3.7714
⅓	3.1163	3.1650	3.2137	3.2624	3.3111	3.3598	3.4085	3.4571
⅔	2.8330	2.8773	2.9215	2.9658	3.0101	3.0543	3.0986	3.1429
⅙	2.5497	2.5895	2.6294	2.6692	2.7091	2.7489	2.7887	2.8286
½	2.2664	2.3018	2.3372	2.3726	2.4081	2.4435	2.4789	2.5143
⅓	2.1248	2.1579	2.1911	2.2243	2.2575	2.2907	2.3239	2.3571
⅙	1.9831	2.0141	2.0451	2.0761	2.1070	2.1380	2.1690	2.2000
⅓	1.8414	1.8702	1.8990	1.9278	1.9565	1.9853	2.0141	2.0429
⅔	1.6998	1.7264	1.7529	1.7795	1.8060	1.8326	1.8592	1.8857
⅓	1.5581	1.5825	1.6068	1.6312	1.6555	1.6799	1.7042	1.7286
⅕	1.4165	1.4386	1.4608	1.4829	1.5050	1.5272	1.5493	1.5714
⅓	1.2748	1.2948	1.3147	1.3346	1.3545	1.3744	1.3944	1.4143
⅓	1.2040	1.2228	1.2417	1.2605	1.2793	1.2981	1.3169	1.3357
¼	1.1332	1.1509	1.1686	1.1863	1.2040	1.2217	1.2394	1.2571
⅓	1.0624	1.0790	1.0956	1.1122	1.1288	1.1454	1.1620	1.1786
⅓	.9916	1.0070	1.0225	1.0380	1.0535	1.0690	1.0845	1.1000
⅓	.9207	.9351	.9495	.9639	.9783	.9927	1.0070	1.0214
⅓	.8499	.8632	.8765	.8897	.9030	.9163	.9296	.9429
⅓	.7791	.7912	.8034	.8156	.8278	.8399	.8521	.8643
⅓	.7082	.7193	.7304	.7414	.7525	.7636	.7746	.7857
⅓	.6374	.6474	.6573	.6673	.6773	.6872	.6972	.7071
⅓	.5666	.5755	.5843	.5932	.6020	.6109	.6197	.6286
⅓	.4958	.5035	.5113	.5190	.5268	.5345	.5423	.5500

For method of using this table, see page 173

WEIGHTS OF PLATES

Thick- ness	WIDTH IN INCHES							
	18	18¼	18½	18¾	19	19¼	19½	19¾
2	10.1988	10.3405	10.4821	10.6238	10.7654	10.9071	11.0487	11.1904
1½	9.8801	10.0173	10.1545	10.2918	10.4290	10.5662	10.7034	10.8407
1¼	9.5614	9.6942	9.8270	9.9598	10.0926	10.2254	10.3582	10.4910
1⅓	9.2427	9.3710	9.4994	9.6278	9.7561	9.8845	10.0129	10.1413
1¼	8.9240	9.0479	9.1718	9.2958	9.4197	9.5437	9.6676	9.7916
1⅓	8.6052	8.7248	8.8443	8.9638	9.0833	9.2028	9.3223	9.4419
1⅔	8.2865	8.4016	8.5167	8.6318	8.7469	8.8620	8.9771	9.0922
1⅝	7.9678	8.0785	8.1891	8.2998	8.4105	8.5211	8.6318	8.7425
1½	7.6491	7.7553	7.8616	7.9678	8.0741	8.1803	8.2865	8.3928
1⅞	7.3304	7.4322	7.5340	7.6358	7.7376	7.8394	7.9413	8.0431
1¾	7.0117	7.1091	7.2064	7.3038	7.4012	7.4986	7.5960	7.6934
1⅝	6.6930	6.7859	6.8789	6.9718	7.0648	7.1578	7.2507	7.3437
1¼	6.3743	6.4628	6.5513	6.6398	6.7284	6.8169	6.9054	6.9940
1⅓	6.0555	6.1396	6.2237	6.3079	6.3920	6.4761	6.5602	6.6443
1⅔	5.7368	5.8165	5.8962	5.9759	6.0555	6.1352	6.2149	6.2946
1⅝	5.4181	5.4934	5.5686	5.6439	5.7191	5.7944	5.8696	5.9449
1	5.0994	5.1702	5.2411	5.3119	5.3827	5.4535	5.5244	5.5952
⅞	4.7807	4.8471	4.9135	4.9799	5.0463	5.1127	5.1791	5.2455
¾	4.4620	4.5239	4.5859	4.6479	4.7099	4.7718	4.8338	4.8958
⅝	4.1433	4.2008	4.2584	4.3159	4.3734	4.4310	4.4885	4.5461
¾	3.8246	3.8777	3.9308	3.9839	4.0370	4.0901	4.1433	4.1964
⅞	3.5058	3.5545	3.6032	3.6519	3.7006	3.7493	3.7980	3.8467
⅝	3.1871	3.2314	3.2757	3.3199	3.3642	3.4085	3.4527	3.4970
⅞	2.8684	2.9083	2.9481	2.9879	3.0278	3.0676	3.1074	3.1473
½	2.5497	2.5851	2.6205	2.6559	2.6914	2.7268	2.7622	2.7976
⅝	2.3903	2.4235	2.4567	2.4899	2.5231	2.5563	2.5895	2.6227
⅞	2.2310	2.2620	2.2930	2.3239	2.3549	2.3859	2.4169	2.4479
⅝	2.0716	2.1004	2.1292	2.1579	2.1867	2.2155	2.2443	2.2730
¾	1.9123	1.9388	1.9654	1.9920	2.0185	2.0451	2.0716	2.0982
⅝	1.7529	1.7773	1.8016	1.8260	1.8503	1.8746	1.8990	1.9233
⅞	1.5936	1.6157	1.6378	1.6600	1.6821	1.7042	1.7264	1.7485
¾	1.4342	1.4541	1.4740	1.4940	1.5139	1.5338	1.5537	1.5736
⅝	1.3545	1.3733	1.3922	1.4110	1.4298	1.4486	1.4674	1.4862
¼	1.2749	1.2926	1.3103	1.3280	1.3457	1.3634	1.3811	1.3988
⅝	1.1952	1.2118	1.2284	1.2450	1.2616	1.2782	1.2948	1.3114
⅞	1.1155	1.1310	1.1465	1.1620	1.1775	1.1930	1.2085	1.2239
¾	1.0358	1.0502	1.0646	1.0790	1.0934	1.1077	1.1221	1.1365
⅝	.9561	.9694	.9827	.9960	1.0093	1.0225	1.0358	1.0491
⅞	.8765	.8886	.9008	.9130	.9252	.9373	.9495	.9617
¾	.7968	.8078	.8189	.8300	.8410	.8521	.8632	.8742
⅝	.7171	.7271	.7370	.7470	.7569	.7669	.7769	.7868
¼	.6374	.6463	.6551	.6640	.6728	.6817	.6905	.6994
⅝	.5577	.5655	.5732	.5810	.5887	.5965	.6042	.6120

For method of using this table, see page 173

WEIGHTS OF PLATES

Thick- ness	WIDTH IN INCHES							
	20	20¼	20½	20¾	21	21¼	21½	21¾
2	11.3320	11.4737	11.6153	11.7570	11.8986	12.0403	12.1819	12.3236
1 15⁄16	10.9779	11.1151	11.2523	11.3895	11.5268	11.6640	11.8012	11.9384
1 7⁄8	10.6237	10.7565	10.8893	11.0221	11.1549	11.2877	11.4205	11.5533
1 11⁄16	10.2696	10.3980	10.5264	10.6547	10.7831	10.9115	11.0398	11.1682
1 3⁄4	9.9155	10.0394	10.1634	10.2873	10.4113	10.5352	10.6592	10.7831
1 11⁄16	9.5614	9.6809	9.8004	9.9199	10.0394	10.1590	10.2785	10.3980
1 5⁄8	9.2072	9.3223	9.4374	9.5525	9.6676	9.7827	9.8978	10.0129
1 9⁄16	8.8531	8.9638	9.0745	9.1851	9.2958	9.4064	9.5171	9.6278
1 1⁄2	8.4990	8.6052	8.7115	8.8177	8.9240	9.0302	9.1364	9.2427
1 1⁄16	8.1449	8.2467	8.3485	8.4503	8.5521	8.6539	8.7557	8.8576
1 3⁄8	7.7907	7.8881	7.9855	8.0829	8.1803	8.2777	8.3751	8.4724
1 5⁄16	7.4366	7.5296	7.6225	7.7155	7.8085	7.9014	7.9944	8.0873
1 1⁄4	7.0825	7.1710	7.2596	7.3481	7.4366	7.5252	7.6137	7.7022
1 3⁄16	6.7284	6.8125	6.8966	6.9807	7.0648	7.1489	7.2330	7.3171
1 1⁄8	6.3742	6.4539	6.5336	6.6133	6.6930	6.7726	6.8523	6.9320
1 1⁄16	6.0201	6.0954	6.1706	6.2459	6.3211	6.3964	6.4716	6.5469
1	5.6660	5.7368	5.8077	5.8785	5.9493	6.0201	6.0910	6.1618
15⁄16	5.3119	5.3783	5.4447	5.5111	5.5775	5.6439	5.7103	5.7767
7⁄8	4.9577	5.0197	5.0817	5.1437	5.2056	5.2676	5.3296	5.3916
13⁄16	4.6036	4.6612	4.7187	4.7763	4.8338	4.8914	4.9489	5.0064
3⁄4	4.2495	4.3026	4.3557	4.4089	4.4620	4.5151	4.5682	4.6213
11⁄16	3.8954	3.9441	3.9928	4.0415	4.0901	4.1388	4.1875	4.2362
5⁄8	3.5412	3.5855	3.6298	3.6740	3.7183	3.7626	3.8068	3.8511
9⁄16	3.1871	3.2270	3.2668	3.3066	3.3465	3.3863	3.4262	3.4660
1⁄2	2.8330	2.8684	2.9038	2.9392	2.9747	3.0101	3.0455	3.0809
15⁄32	2.6559	2.6891	2.7223	2.7555	2.7887	2.8219	2.8551	2.8883
7⁄16	2.4789	2.5099	2.5408	2.5718	2.6028	2.6338	2.6648	2.6958
13⁄32	2.3018	2.3306	2.3594	2.3881	2.4169	2.4457	2.4744	2.5032
3⁄8	2.1247	2.1513	2.1779	2.2044	2.2310	2.2575	2.2841	2.3107
11⁄32	1.9477	1.9720	1.9964	2.0207	2.0451	2.0694	2.0938	2.1181
5⁄16	1.7706	1.7928	1.8149	1.8370	1.8592	1.8813	1.9034	1.9256
9⁄32	1.5936	1.6135	1.6334	1.6533	1.6732	1.6932	1.7131	1.7330
17⁄64	1.5050	1.5238	1.5427	1.5615	1.5803	1.5991	1.6179	1.6367
1⁄4	1.4165	1.4342	1.4519	1.4696	1.4873	1.5050	1.5227	1.5404
13⁄64	1.3280	1.3446	1.3612	1.3778	1.3944	1.4110	1.4276	1.4442
7⁄32	1.2394	1.2549	1.2704	1.2859	1.3014	1.3169	1.3324	1.3479
13⁄64	1.1509	1.1653	1.1797	1.1941	1.2085	1.2228	1.2372	1.2516
11⁄16	1.0624	1.0757	1.0889	1.1022	1.1155	1.1288	1.1421	1.1553
11⁄64	.9738	.9860	.9982	1.0104	1.0225	1.0347	1.0469	1.0591
5⁄32	.8853	.8964	.9074	.9185	.9296	.9406	.9517	.9628
9⁄64	.7968	.8067	.8167	.8267	.8366	.8466	.8565	.8665
1⁄8	.7082	.7171	.7260	.7348	.7437	.7525	.7614	.7702
7⁄64	.6197	.6275	.6352	.6430	.6507	.6584	.6662	.6739

For method of using this table, see page 173

WEIGHTS OF PLATES

Thick- ness	WIDTH IN INCHES							
	22	22¼	22½	22¾	23	23¼	23½	23¾
2	12.4652	12.6069	12.7485	12.8902	13.0318	13.1735	13.3151	13.4568
1½	12.0757	12.2129	12.3501	12.4873	12.6246	12.7618	12.8990	13.0362
1¾	11.6861	11.8189	11.9517	12.0845	12.2173	12.3501	12.4829	12.6157
1⅓	11.2966	11.4250	11.5533	11.6817	11.8101	11.9384	12.0668	12.1952
1¾	10.9071	11.0310	11.1549	11.2789	11.4028	11.5268	11.6507	11.7747
1⅓	10.5175	10.6370	10.7565	10.8761	10.9956	11.1151	11.2346	11.3541
1½	10.1280	10.2431	10.3582	10.4732	10.5883	10.7034	10.8185	10.9336
1⅞	9.7384	9.8491	9.9598	10.0704	10.1811	10.2918	10.4024	10.5131
1½	9.3489	9.4551	9.5614	9.6676	9.7739	9.8801	9.9863	10.0926
1⅞	8.9594	9.0612	9.1630	9.2648	9.3666	9.4684	9.5702	9.6720
1¾	8.5698	8.6672	8.7646	8.8620	8.9594	9.0567	9.1541	9.2515
1⅞	8.1803	8.2732	8.3662	8.4592	8.5521	8.6451	8.7380	8.8310
1¾	7.7908	7.8793	7.9678	8.0563	8.1449	8.2334	8.3219	8.4105
1⅞	7.4012	7.4853	7.5694	7.6535	7.7376	7.8217	7.9058	7.9899
1¾	7.0117	7.0914	7.1710	7.2507	7.3304	7.4101	7.4897	7.5694
1⅞	6.6221	6.6974	6.7726	6.8479	6.9231	6.9984	7.0736	7.1489
1	6.2326	6.3034	6.3743	6.4451	6.5159	6.5867	6.6576	6.7284
⅞	5.8431	5.9095	5.9759	6.0423	6.1087	6.1751	6.2415	6.3079
¾	5.4535	5.5155	5.5775	5.6394	5.7014	5.7634	5.8254	5.8873
⅞	5.0640	5.1215	5.1791	5.2366	5.2942	5.3517	5.4093	5.4668
¾	4.6745	4.7276	4.7807	4.8338	4.8869	4.9400	4.9932	5.0463
⅞	4.2849	4.3336	4.3823	4.4310	4.4797	4.5284	4.5771	4.6258
⅝	3.8954	3.9396	3.9839	4.0282	4.0724	4.1167	4.1610	4.2052
⅞	3.5058	3.5457	3.5855	3.6254	3.6652	3.7050	3.7449	3.7847
½	3.1163	3.1517	3.1871	3.2225	3.2580	3.2934	3.3288	3.3642
⅝	2.9215	2.9547	2.9879	3.0211	3.0543	3.0875	3.1207	3.1539
⅞	2.7268	2.7577	2.7887	2.8197	2.8507	2.8817	2.9127	2.9437
⅝	2.5320	2.5608	2.5895	2.6183	2.6471	2.6759	2.7046	2.7334
¾	2.3372	2.3638	2.3903	2.4169	2.4435	2.4700	2.4966	2.5231
⅝	2.1425	2.1668	2.1911	2.2155	2.2398	2.2642	2.2885	2.3129
⅞	1.9477	1.9698	1.9920	2.0141	2.0362	2.0584	2.0805	2.1026
⅝	1.7529	1.7728	1.7928	1.8127	1.8326	1.8525	1.8724	1.8924
⅞	1.6555	1.6743	1.6932	1.7120	1.7308	1.7496	1.7684	1.7872
¼	1.5582	1.5759	1.5936	1.6113	1.6290	1.6467	1.6644	1.6821
⅞	1.4608	1.4774	1.4940	1.5106	1.5272	1.5438	1.5604	1.5770
⅝	1.3634	1.3789	1.3944	1.4099	1.4254	1.4408	1.4563	1.4718
⅞	1.2660	1.2804	1.2948	1.3092	1.3235	1.3379	1.3523	1.3667
⅞	1.1686	1.1819	1.1952	1.2085	1.2217	1.2350	1.2483	1.2616
⅞	1.0712	1.0834	1.0956	1.1077	1.1199	1.1321	1.1443	1.1564
⅝	.9738	.9849	.9960	1.0070	1.0181	1.0292	1.0402	1.0513
⅞	.8765	.8864	.8964	.9063	.9163	.9263	.9362	.9462
¾	.7791	.7879	.7968	.8056	.8145	.8233	.8322	.8410
⅞	.6817	.6894	.6972	.7049	.7127	.7204	.7282	.7359

For method of using this table, see page 173

WEIGHTS OF PLATES

Thick- ness	WIDTH IN INCHES							
	24	24¼	24½	24¾	25	25¼	25½	25¾
2	13.5984	13.7401	13.8817	14.0234	14.1650	14.3067	14.4483	14.5900
1½	13.1735	13.3107	13.4479	13.5851	13.7223	13.8596	13.9968	14.1340
1⅞	12.7485	12.8813	13.0141	13.1469	13.2797	13.4125	13.5453	13.6781
1⅝	12.3235	12.4519	12.5803	12.7087	12.8370	12.9654	13.0938	13.2221
1¾	11.8986	12.0225	12.1465	12.2704	12.3944	12.5183	12.6423	12.7662
1⅞	11.4736	11.5932	11.7127	11.8322	11.9517	12.0712	12.1908	12.3103
1⅝	11.0487	11.1638	11.2789	11.3940	11.5091	11.6242	11.7392	11.8543
1⅞	10.6237	10.7344	10.8451	10.9557	11.0664	11.1771	11.2877	11.3984
1½	10.1988	10.3050	10.4113	10.5175	10.6238	10.7300	10.8362	10.9425
1⅞	9.7738	9.8757	9.9775	10.0793	10.1811	10.2829	10.3847	10.4865
1⅞	9.3489	9.4463	9.5437	9.6411	9.7384	9.8358	9.9332	10.0306
1⅞	8.9239	9.0169	9.1099	9.2028	9.2958	9.3887	9.4817	9.5747
1¼	8.4990	8.5875	8.6761	8.7646	8.8531	8.9417	9.0302	9.1187
1⅞	8.0741	8.1582	8.2423	8.3264	8.4105	8.4946	8.5787	8.6628
1⅞	7.6491	7.7288	7.8085	7.8881	7.9678	8.0475	8.1272	8.2068
1⅞	7.2241	7.2994	7.3747	7.4499	7.5252	7.6004	7.6757	7.7509
1	6.7992	6.8700	6.9409	7.0117	7.0825	7.1533	7.2242	7.2950
1⅞	6.3742	6.4406	6.5070	6.5734	6.6398	6.7062	6.7726	6.8390
⅞	5.9493	6.0113	6.0732	6.1352	6.1972	6.2592	6.3211	6.3831
1⅞	5.5243	5.5819	5.6394	5.6970	5.7545	5.8121	5.8696	5.9272
¾	5.0994	5.1525	5.2056	5.2588	5.3119	5.3650	5.4181	5.4712
1⅞	4.6744	4.7231	4.7718	4.8205	4.8692	4.9179	4.9666	5.0153
⅞	4.2495	4.2938	4.3380	4.3823	4.4266	4.4708	4.5151	4.5594
1⅞	3.8245	3.8644	3.9042	3.9441	3.9839	4.0237	4.0636	4.1034
1½	3.3996	3.4350	3.4704	3.5058	3.5413	3.5767	3.6121	3.6475
1⅞	3.1871	3.2203	3.2535	3.2867	3.3199	3.3531	3.3863	3.4195
1⅞	2.9747	3.0056	3.0366	3.0676	3.0986	3.1296	3.1606	3.1916
1⅞	2.7622	2.7909	2.8197	2.8485	2.8773	2.9060	2.9348	2.9636
¾	2.5497	2.5763	2.6028	2.6294	2.6559	2.6825	2.7091	2.7356
1⅞	2.3372	2.3616	2.3859	2.4103	2.4346	2.4590	2.4833	2.5076
1⅞	2.1247	2.1469	2.1690	2.1911	2.2133	2.2354	2.2575	2.2797
1⅞	1.9123	1.9322	1.9521	1.9720	1.9920	2.0119	2.0318	2.0517
1⅞	1.8060	1.8248	1.8437	1.8625	1.8813	1.9001	1.9189	1.9377
1¼	1.6998	1.7175	1.7352	1.7529	1.7706	1.7883	1.8060	1.8237
1⅞	1.5936	1.6102	1.6268	1.6434	1.6600	1.6766	1.6932	1.7098
1⅞	1.4873	1.5028	1.5183	1.5338	1.5493	1.5648	1.5803	1.5958
1⅞	1.3811	1.3955	1.4099	1.4242	1.4386	1.4530	1.4674	1.4818
1⅞	1.2749	1.2881	1.3014	1.3147	1.3280	1.3412	1.3545	1.3678
1⅞	1.1686	1.1808	1.1930	1.2051	1.2173	1.2295	1.2417	1.2538
1⅞	1.0624	1.0.34	1.0845	1.0956	1.1066	1.1177	1.1288	1.1398
1⅞	.9561	.9661	.9761	.9860	.9960	1.0059	1.0159	1.0259
1⅞	.8499	.8588	.8676	.8765	.8853	.8942	.9030	.9119
1⅞	.7437	.7514	.7592	.7669	.7746	.7824	.7901	.7979

For method of using this table, see page 173

WEIGHTS OF PLATES

Thick- ness	WIDTH IN INCHES							
	26	26¼	26½	26¾	27	27¼	27½	27¾
2	14.7316	14.8733	15.0149	15.1566	15.2982	15.4399	15.5815	15.7232
1½	14.2712	14.4085	14.5457	14.6829	14.8201	14.9574	15.0946	15.2318
1⅝	13.8109	13.9437	14.0765	14.2093	14.3421	14.4749	14.6077	14.7405
1¾	13.3505	13.4789	13.6073	13.7356	13.8640	13.9924	14.1207	14.2491
1⅞	12.8902	13.0141	13.1380	13.2620	13.3859	13.5099	13.6338	13.7578
1½	12.4298	12.5493	12.6688	12.7883	12.9079	13.0274	13.1469	13.2664
1⅝	11.9694	12.0845	12.1996	12.3147	12.4298	12.5449	12.6600	12.7751
1⅞	11.5091	11.6197	11.7304	11.8411	11.9517	12.0624	12.1730	12.2837
1½	11.0487	11.1549	11.2612	11.3674	11.4737	11.5799	11.6861	11.7924
1⅞	10.5883	10.6901	10.7920	10.8938	10.9956	11.0974	11.1992	11.3010
1⅝	10.1280	10.2254	10.3227	10.4201	10.5175	10.6149	10.7123	10.8097
1⅞	9.6676	9.7606	9.8535	9.9465	10.0394	10.1324	10.2254	10.3183
1¾	9.2073	9.2958	9.3843	9.4728	9.5614	9.6499	9.7384	9.8270
1⅞	8.7469	8.8310	8.9151	8.9992	9.0833	9.1674	9.2515	9.3356
1⅞	8.2865	8.3662	8.4459	8.5256	8.6052	8.6849	8.7646	8.8443
1⅞	7.8262	7.9014	7.9767	8.0519	8.1272	8.2024	8.2777	8.3529
1	7.3658	7.4366	7.5075	7.5783	7.6491	7.7199	7.7908	7.8616
⅞	6.9054	6.9718	7.0382	7.1046	7.1710	7.2374	7.3038	7.3702
⅞	6.4451	6.5070	6.5690	6.6310	6.6930	6.7549	6.8169	6.8789
⅞	5.9847	6.0423	6.0998	6.1573	6.2149	6.2724	6.3300	6.3875
¾	5.5244	5.5775	5.6306	5.6837	5.7368	5.7899	5.8431	5.8962
¾	5.0640	5.1127	5.1614	5.2101	5.2588	5.3074	5.3561	5.4048
⅝	4.6036	4.6479	4.6922	4.7364	4.7807	4.8250	4.8692	4.9135
⅝	4.1433	4.1831	4.2229	4.2628	4.3026	4.3425	4.3823	4.4221
½	3.6829	3.7183	3.7537	3.7891	3.8246	3.8600	3.8954	3.9308
⅓	3.4527	3.4859	3.5191	3.5523	3.5855	3.6187	3.6519	3.6851
⅓	3.2225	3.2535	3.2845	3.3155	3.3465	3.3775	3.4085	3.4394
⅓	2.9924	3.0211	3.0499	3.0787	3.1074	3.1362	3.1650	3.1938
⅓	2.7622	2.7887	2.8153	2.8419	2.8684	2.8950	2.9215	2.9481
⅓	2.5320	2.5563	2.5807	2.6050	2.6294	2.6537	2.6781	2.7024
⅓	2.3018	2.3239	2.3461	2.3682	2.3903	2.4125	2.4346	2.4567
⅓	2.0716	2.0916	2.1115	2.1314	2.1513	2.1712	2.1911	2.2111
⅓	1.9565	1.9754	1.9942	2.0130	2.0318	2.0506	2.0694	2.0882
¼	1.8415	1.8592	1.8769	1.8946	1.9123	1.9300	1.9477	1.9654
¼	1.7264	1.7430	1.7596	1.7762	1.7928	1.8094	1.8260	1.8426
⅓	1.6113	1.6268	1.6423	1.6577	1.6732	1.6887	1.7042	1.7197
⅓	1.4962	1.5106	1.5250	1.5393	1.5537	1.5681	1.5825	1.5969
⅓	1.3811	1.3944	1.4076	1.4209	1.4342	1.4475	1.4608	1.4740
⅓	1.2660	1.2782	1.2903	1.3025	1.3147	1.3269	1.3390	1.3512
⅓	1.1509	1.1620	1.1730	1.1841	1.1952	1.2062	1.2173	1.2284
⅓	1.0358	1.0458	1.0557	1.0657	1.0757	1.0856	1.0956	1.1055
⅓	.9207	.9296	.9384	.9473	.9561	.9650	.9738	.9827
⅓	.8056	.8134	.8211	.8289	.8366	.8444	.8521	.8599

For method of using this table, see page 173

WEIGHTS OF PLATES

Thick- ness	WIDTH IN INCHES							
	28	28 $\frac{1}{4}$	28 $\frac{1}{2}$	28 $\frac{3}{4}$	29	29 $\frac{1}{4}$	29 $\frac{1}{2}$	29 $\frac{3}{4}$
2	15.8648	16.0065	16.1481	16.2898	16.4314	16.5731	16.7147	16.8564
1 $\frac{15}{16}$	15.3690	15.5062	15.6435	15.7807	15.9179	16.0551	16.1924	16.3296
1 $\frac{7}{8}$	14.8732	15.0060	15.1388	15.2716	15.4044	15.5372	15.6700	15.8028
1 $\frac{13}{16}$	14.3775	14.5058	14.6342	14.7626	14.8910	15.0193	15.1477	15.2761
1 $\frac{3}{4}$	13.8817	14.0056	14.1296	14.2535	14.3775	14.5014	14.6254	14.7493
1 $\frac{11}{16}$	13.3859	13.5054	13.6250	13.7445	13.8640	13.9835	14.1030	14.2225
1 $\frac{5}{8}$	12.8901	13.0052	13.1203	13.2354	13.3505	13.4656	13.5807	13.6958
1 $\frac{1}{8}$	12.3944	12.5050	12.6157	12.7264	12.8370	12.9477	13.0584	13.1690
1 $\frac{1}{2}$	11.8986	12.0048	12.1111	12.2173	12.3236	12.4298	12.5360	12.6423
1 $\frac{1}{16}$	11.4028	11.5046	11.6064	11.7083	11.8101	11.9119	12.0137	12.1155
1 $\frac{3}{8}$	10.9070	11.0044	11.1018	11.1992	11.2966	11.3940	11.4914	11.5887
1 $\frac{5}{16}$	10.4113	10.5042	10.5972	10.6901	10.7831	10.8761	10.9690	11.0620
1 $\frac{1}{4}$	9.9155	10.0040	10.0926	10.1811	10.2696	10.3582	10.4467	10.5352
1 $\frac{3}{16}$	9.4197	9.5038	9.5879	9.6720	9.7561	9.8402	9.9244	10.0085
1 $\frac{1}{8}$	8.9239	9.0036	9.0833	9.1630	9.2427	9.3223	9.4020	9.4817
1 $\frac{1}{16}$	8.4282	8.5034	8.5787	8.6539	8.7292	8.8044	8.8797	8.9549
1	7.9324	8.0032	8.0741	8.1449	8.2157	8.2865	8.3574	8.4282
$\frac{15}{8}$	7.4366	7.5030	7.5694	7.6358	7.7022	7.7686	7.8350	7.9014
$\frac{7}{8}$	6.9408	7.0028	7.0648	7.1268	7.1887	7.2507	7.3127	7.3747
$\frac{13}{16}$	6.4451	6.5026	6.5602	6.6177	6.6753	6.7328	6.7903	6.8479
$\frac{3}{4}$	5.9493	6.0024	6.0555	6.1087	6.1618	6.2149	6.2680	6.3211
$\frac{11}{16}$	5.4535	5.5022	5.5509	5.5996	5.6483	5.6970	5.7457	5.7944
$\frac{5}{8}$	4.9577	5.0020	5.0463	5.0905	5.1348	5.1791	5.2233	5.2676
$\frac{9}{16}$	4.4620	4.5018	4.5417	4.5815	4.6213	4.6612	4.7010	4.7408
$\frac{1}{2}$	3.9662	4.0016	4.0370	4.0724	4.1079	4.1433	4.1787	4.2141
$\frac{15}{32}$	3.7183	3.7515	3.7847	3.8179	3.8511	3.8843	3.9175	3.9507
$\frac{7}{16}$	3.4704	3.5014	3.5324	3.5634	3.5944	3.6254	3.6563	3.6873
$\frac{13}{32}$	3.2225	3.2513	3.2801	3.3089	3.3376	3.3664	3.3952	3.4239
$\frac{3}{8}$	2.9746	3.0012	3.0278	3.0543	3.0809	3.1074	3.1340	3.1606
$\frac{11}{32}$	2.7268	2.7511	2.7755	2.7998	2.8241	2.8485	2.8728	2.8972
$\frac{5}{16}$	2.4789	2.5010	2.5231	2.5453	2.5674	2.5895	2.6117	2.6338
$\frac{9}{32}$	2.2310	2.2509	2.2708	2.2907	2.3107	2.3306	2.3505	2.3704
$\frac{17}{32}$	2.1070	2.1259	2.1447	2.1635	2.1823	2.2011	2.2199	2.2387
$\frac{1}{4}$	1.9831	2.0008	2.0185	2.0362	2.0539	2.0716	2.0893	2.1070
$\frac{15}{64}$	1.8592	1.8758	1.8924	1.9090	1.9256	1.9422	1.9588	1.9754
$\frac{7}{32}$	1.7352	1.7507	1.7662	1.7817	1.7972	1.8127	1.8282	1.8437
$\frac{13}{64}$	1.6113	1.6257	1.6400	1.6544	1.6688	1.6832	1.6976	1.7120
$\frac{3}{16}$	1.4873	1.5006	1.5139	1.5272	1.5404	1.5537	1.5670	1.5803
$\frac{11}{64}$	1.3634	1.3756	1.3877	1.3999	1.4121	1.4242	1.4364	1.4486
$\frac{5}{32}$	1.2394	1.2505	1.2616	1.2726	1.2837	1.2948	1.3058	1.3169
$\frac{9}{64}$	1.1155	1.1255	1.1354	1.1454	1.1553	1.1653	1.1753	1.1852
$\frac{1}{8}$	.9915	1.0004	1.0093	1.0181	1.0270	1.0358	1.0447	1.0535
$\frac{7}{64}$	.8676	.8754	.8831	.8908	.8986	.9063	.9141	.9218

For method of using this table, see page 173

WEIGHTS OF PLATES

Thick- ness	WIDTH IN INCHES							
	30	30¼	30½	30¾	31	31¼	31½	31¾
2	16.9980	17.1397	17.2813	17.4230	17.5646	17.7063	17.8479	17.9896
1½	16.4668	16.6040	16.7413	16.8785	17.0157	17.1529	17.2902	17.4274
1⅝	15.9356	16.0684	16.2012	16.3340	16.4668	16.5996	16.7324	16.8652
1⅞	15.4044	15.5328	15.6612	15.7895	15.9179	16.0463	16.1747	16.3030
1¾	14.8733	14.9972	15.1211	15.2451	15.3690	15.4930	15.6169	15.7409
1⅞	14.3421	14.4616	14.5811	14.7006	14.8201	14.9396	15.0592	15.1787
1⅝	13.8109	13.9260	14.0411	14.1561	14.2712	14.3863	14.5014	14.6165
1⅞	13.2797	13.3904	13.5010	13.6117	13.7223	13.8330	13.9437	14.0543
1½	12.7485	12.8547	12.9610	13.0672	13.1735	13.2797	13.3859	13.4922
1⅞	12.2173	12.3191	12.4209	12.5227	12.6246	12.7264	12.8282	12.9300
1⅞	11.6861	11.7835	11.8809	11.9783	12.0757	12.1730	12.2704	12.3678
1⅝	11.1549	11.2479	11.3409	11.4338	11.5268	11.6197	11.7127	11.8056
1¼	10.6238	10.7123	10.8008	10.8893	10.9779	11.0664	11.1549	11.2435
1⅝	10.0926	10.1767	10.2608	10.3449	10.4290	10.5131	10.5972	10.6813
1⅞	9.5614	9.6411	9.7207	9.8004	9.8801	9.9598	10.0394	10.1191
1⅞	9.0302	9.1054	9.1807	9.2559	9.3312	9.4064	9.4817	9.5569
1	8.4990	8.5698	8.6407	8.7115	8.7823	8.8531	8.9240	8.9948
⅞	7.9678	8.0342	8.1006	8.1670	8.2334	8.2998	8.3662	8.4326
¾	7.4366	7.4986	7.5606	7.6225	7.6845	7.7465	7.8085	7.8704
⅞	6.9054	6.9630	7.0205	7.0781	7.1356	7.1932	7.2507	7.3083
¾	6.3743	6.4274	6.4805	6.5336	6.5867	6.6398	6.6930	6.7461
⅞	5.8431	5.8918	5.9404	5.9891	6.0378	6.0865	6.1352	6.1839
⅝	5.3119	5.3561	5.4004	5.4447	5.4889	5.5332	5.5775	5.6217
⅞	4.7807	4.8205	4.8604	4.9002	4.9400	4.9799	5.0197	5.0596
½	4.2495	4.2849	4.3203	4.3557	4.3912	4.4266	4.4620	4.4974
⅞	3.9839	4.0171	4.0503	4.0835	4.1167	4.1499	4.1831	4.2163
⅞	3.7183	3.7493	3.7803	3.8113	3.8423	3.8732	3.9042	3.9352
⅞	3.4527	3.4815	3.5103	3.5390	3.5678	3.5966	3.6254	3.6541
¾	3.1871	3.2137	3.2402	3.2668	3.2934	3.3199	3.3465	3.3730
⅞	2.9215	2.9459	2.9702	2.9946	3.0189	3.0433	3.0676	3.0920
⅞	2.6559	2.6781	2.7002	2.7223	2.7445	2.7666	2.7887	2.8109
¾	2.3903	2.4103	2.4302	2.4501	2.4700	2.4899	2.5099	2.5298
¾	2.2575	2.2764	2.2952	2.3140	2.3328	2.3516	2.3704	2.3892
¼	2.1248	2.1425	2.1602	2.1779	2.1956	2.2133	2.2310	2.2487
⅞	1.9920	2.0086	2.0252	2.0418	2.0584	2.0750	2.0916	2.1082
¾	1.8592	1.8746	1.8901	1.9056	1.9211	1.9366	1.9521	1.9676
¾	1.7264	1.7407	1.7551	1.7695	1.7839	1.7983	1.8127	1.8271
⅞	1.5936	1.6068	1.6201	1.6334	1.6467	1.6600	1.6732	1.6865
¾	1.4608	1.4729	1.4851	1.4973	1.5095	1.5216	1.5338	1.5460
¾	1.3280	1.3390	1.3501	1.3612	1.3722	1.3833	1.3944	1.4054
¾	1.1952	1.2051	1.2151	1.2251	1.2350	1.2450	1.2549	1.2649
⅞	1.0624	1.0712	1.0801	1.0889	1.0978	1.1066	1.1155	1.1243
¾	.9296	.9373	.9451	.9528	.9606	.9683	.9761	.9838

For method of using this table, see page 173

WEIGHTS OF PLATES

Thick- ness	WIDTH IN INCHES							
	32	32¼	32½	32¾	33	33¼	33½	33¾
2	18.1312	18.2729	18.4145	18.5562	18.6978	18.8395	18.9811	19.1228
1½	17.5646	17.7018	17.8390	17.9763	18.1135	18.2507	18.3879	18.5252
1¼	16.9980	17.1308	17.2636	17.3964	17.5292	17.6620	17.7948	17.9276
1⅓	16.4314	16.5598	16.6881	16.8165	16.9449	17.0733	17.2016	17.3300
1¼	15.8648	15.9887	16.1127	16.2366	16.3606	16.4845	16.6085	16.7324
1⅓	15.2982	15.4177	15.5372	15.6568	15.7763	15.8958	16.0153	16.1348
1⅔	14.7316	14.8467	14.9618	15.0769	15.1920	15.3071	15.4221	15.5372
1⅕	14.1650	14.2757	14.3863	14.4970	14.6077	14.7183	14.8290	14.9396
1½	13.5984	13.7046	13.8109	13.9171	14.0234	14.1296	14.2358	14.3421
1⅕	13.0318	13.1336	13.2354	13.3372	13.4390	13.5409	13.6427	13.7445
1⅔	12.4652	12.5626	12.6600	12.7574	12.8547	12.9521	13.0495	13.1469
1⅕	11.8986	11.9916	12.0845	12.1775	12.2704	12.3634	12.4563	12.5493
1¼	11.3320	11.4205	11.5091	11.5976	11.6861	11.7747	11.8632	11.9517
1⅓	10.7654	10.8495	10.9336	11.0177	11.1018	11.1859	11.2700	11.3541
1⅔	10.1988	10.2785	10.3582	10.4378	10.5175	10.5972	10.6769	10.7565
1⅕	9.6322	9.7075	9.7827	9.8580	9.9332	10.0085	10.0837	10.1590
1	9.0656	9.1364	9.2073	9.2781	9.3489	9.4197	9.4906	9.5614
⅔	8.4990	8.5654	8.6318	8.6982	8.7646	8.8310	8.8974	8.9638
⅕	7.9324	7.9944	8.0563	8.1183	8.1803	8.2423	8.3042	8.3662
⅓	7.3658	7.4233	7.4809	7.5384	7.5960	7.6535	7.7111	7.7686
¾	6.7992	6.8523	6.9054	6.9586	7.0117	7.0648	7.1179	7.1710
⅕	6.2326	6.2813	6.3300	6.3787	6.4274	6.4761	6.5248	6.5734
⅔	5.6660	5.7103	5.7545	5.7988	5.8431	5.8873	5.9316	5.9759
⅕	5.0994	5.1392	5.1791	5.2189	5.2588	5.2986	5.3384	5.3783
½	4.5328	4.5682	4.6036	4.6390	4.6745	4.7099	4.7453	4.7807
⅓	4.2495	4.2827	4.3159	4.3491	4.3823	4.4155	4.4487	4.4819
⅕	3.9662	3.9972	4.0282	4.0592	4.0901	4.1211	4.1521	4.1831
⅓	3.6829	3.7117	3.7404	3.7692	3.7980	3.8268	3.8555	3.8843
⅔	3.3996	3.4262	3.4527	3.4793	3.5058	3.5324	3.5590	3.5855
⅓	3.1163	3.1406	3.1650	3.1893	3.2137	3.2380	3.2624	3.2867
⅕	2.8330	2.8551	2.8773	2.8994	2.9215	2.9437	2.9658	2.9879
⅓	2.5497	2.5696	2.5895	2.6095	2.6294	2.6493	2.6692	2.6891
⅕	2.4080	2.4269	2.4457	2.4645	2.4833	2.5021	2.5209	2.5397
¼	2.2664	2.2841	2.3018	2.3195	2.3372	2.3549	2.3726	2.3903
⅓	2.1248	2.1413	2.1579	2.1745	2.1911	2.2077	2.2243	2.2409
⅔	1.9831	1.9986	2.0141	2.0296	2.0451	2.0606	2.0761	2.0916
⅓	1.8415	1.8558	1.8702	1.8846	1.8990	1.9134	1.9278	1.9422
⅕	1.6998	1.7131	1.7264	1.7396	1.7529	1.7662	1.7795	1.7928
⅓	1.5582	1.5703	1.5825	1.5947	1.6068	1.6190	1.6312	1.6434
⅔	1.4165	1.4276	1.4386	1.4497	1.4608	1.4718	1.4829	1.4940
⅕	1.2748	1.2848	1.2948	1.3047	1.3147	1.3246	1.3346	1.3446
⅔	1.1332	1.1421	1.1509	1.1598	1.1686	1.1775	1.1863	1.1952
⅓	.9915	.9993	1.0070	1.0148	1.0225	1.0303	1.0380	1.0458

For method of using this table, see page 173

WEIGHTS OF PLATES

Thick- ness	WIDTH IN INCHES							
	34	34¼	34½	34¾	35	35¼	35½	35¾
2	19.2644	19.4061	19.5477	19.6894	19.8310	19.9727	20.1143	20.2560
1½	18.6624	18.7996	18.9368	19.0741	19.2113	19.3485	19.4857	19.6230
1⅞	18.0604	18.1932	18.3260	18.4588	18.5916	18.7244	18.8572	18.9900
1⅓	17.4584	17.5867	17.7151	17.8435	17.9718	18.1002	18.2286	18.3570
1¾	16.8564	16.9803	17.1042	17.2282	17.3521	17.4761	17.6000	17.7240
1⅓	16.2543	16.3739	16.4934	16.6129	16.7324	16.8519	16.9714	17.0910
1⅝	15.6523	15.7674	15.8825	15.9976	16.1127	16.2278	16.3429	16.4580
1⅞	15.0503	15.1610	15.2716	15.3823	15.4930	15.6036	15.7143	15.8250
1½	14.4483	14.5545	14.6608	14.7670	14.8733	14.9795	15.0857	15.1920
1⅞	13.8463	13.9481	14.0499	14.1517	14.2535	14.3553	14.4572	14.5590
1⅞	13.2443	13.3417	13.4390	13.5364	13.6338	13.7312	13.8286	13.9260
1⅞	12.6423	12.7352	12.8282	12.9211	13.0141	13.1071	13.2000	13.2930
1¼	12.0403	12.1288	12.2173	12.3058	12.3944	12.4829	12.5714	12.6600
1⅞	11.4382	11.5223	11.6064	11.6906	11.7747	11.8588	11.9429	12.0270
1⅞	10.8362	10.9159	10.9956	11.0753	11.1549	11.2346	11.3143	11.3940
1⅞	10.2342	10.3095	10.3847	10.4600	10.5352	10.6105	10.6857	10.7610
1	9.6322	9.7030	9.7739	9.8447	9.9155	9.9863	10.0572	10.1280
⅞	9.0302	9.0966	9.1630	9.2294	9.2958	9.3622	9.4286	9.4950
⅞	8.4282	8.4901	8.5521	8.6141	8.6761	8.7380	8.8000	8.8620
⅞	7.8262	7.8837	7.9413	7.9988	8.0563	8.1139	8.1714	8.2290
¾	7.2242	7.2773	7.3304	7.3835	7.4366	7.4897	7.5429	7.5960
⅞	6.6221	6.6708	6.7195	6.7682	6.8169	6.8656	6.9143	6.9630
⅞	6.0201	6.0644	6.1087	6.1529	6.1972	6.2415	6.2857	6.3300
⅞	5.4181	5.4580	5.4978	5.5376	5.5775	5.6173	5.6571	5.6970
½	4.8161	4.8515	4.8869	4.9223	4.9578	4.9932	5.0286	5.0640
⅞	4.2141	4.2451	4.2761	4.3070	4.3380	4.3690	4.4000	4.4310
⅞	3.6121	3.6386	3.6652	3.6918	3.7183	3.7449	3.7714	3.7980
⅞	3.0101	3.0322	3.0543	3.0765	3.0986	3.1207	3.1429	3.1650
⅞	2.4081	2.4258	2.4435	2.4612	2.4789	2.4966	2.5143	2.5320
⅞	1.8060	1.8193	1.8326	1.8459	1.8592	1.8724	1.8857	1.8990
⅞	1.2040	1.2129	1.2217	1.2306	1.2394	1.2483	1.2571	1.2660
⅞	0.6020	0.6061	0.6102	0.6143	0.6184	0.6225	0.6266	0.6307
⅞	0.4000	0.4000	0.4000	0.4000	0.4000	0.4000	0.4000	0.4000
⅞	0.2000	0.2000	0.2000	0.2000	0.2000	0.2000	0.2000	0.2000
⅞	0.1000	0.1000	0.1000	0.1000	0.1000	0.1000	0.1000	0.1000
⅞	0.0500	0.0500	0.0500	0.0500	0.0500	0.0500	0.0500	0.0500
⅞	0.0250	0.0250	0.0250	0.0250	0.0250	0.0250	0.0250	0.0250
⅞	0.0125	0.0125	0.0125	0.0125	0.0125	0.0125	0.0125	0.0125
⅞	0.0062	0.0062	0.0062	0.0062	0.0062	0.0062	0.0062	0.0062
⅞	0.0031	0.0031	0.0031	0.0031	0.0031	0.0031	0.0031	0.0031
⅞	0.0016	0.0016	0.0016	0.0016	0.0016	0.0016	0.0016	0.0016
⅞	0.0008	0.0008	0.0008	0.0008	0.0008	0.0008	0.0008	0.0008
⅞	0.0004	0.0004	0.0004	0.0004	0.0004	0.0004	0.0004	0.0004
⅞	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002
⅞	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001

For method of using this table, see page 173

WEIGHTS OF PLATES

Thick- ness	WIDTH IN INCHES							
	36	36¼	36½	36¾	37	37¼	37½	37¾
2	20.3976	20.5393	20.6809	20.8226	20.9642	21.1059	21.2475	21.3892
1½	19.7602	19.8974	20.0346	20.1718	20.3091	20.4463	20.5835	20.7207
1⅜	19.1227	19.2555	19.3883	19.5211	19.6539	19.7867	19.9195	20.0523
1⅓	18.4853	18.6137	18.7421	18.8704	18.9988	19.1272	19.2555	19.3839
1¼	17.8479	17.9718	18.0958	18.2197	18.3437	18.4676	18.5916	18.7155
1⅒	17.2105	17.3300	17.4495	17.5690	17.6885	17.8081	17.9276	18.0471
1⅝	16.5730	16.6881	16.8032	16.9183	17.0334	17.1485	17.2636	17.3787
1⅞	15.9356	16.0463	16.1570	16.2676	16.3783	16.4889	16.5996	16.7103
1½	15.2982	15.4044	15.5107	15.6169	15.7232	15.8294	15.9356	16.0419
1⅞	14.6608	14.7626	14.8644	14.9662	15.0680	15.1698	15.2716	15.3735
1⅜	14.0233	14.1207	14.2181	14.3155	14.4129	14.5103	14.6077	14.7050
1⅝	13.3859	13.4789	13.5718	13.6648	13.7578	13.8507	13.9437	14.0366
1¼	12.7485	12.8370	12.9256	13.0141	13.1026	13.1912	13.2797	13.3682
1⅓	12.1111	12.1952	12.2793	12.3634	12.4475	12.5316	12.6157	12.6998
1⅓	11.4736	11.5533	11.6330	11.7127	11.7924	11.8720	11.9517	12.0314
1⅒	10.8362	10.9115	10.9867	11.0620	11.1372	11.2125	11.2877	11.3630
1	10.1988	10.2696	10.3405	10.4113	10.4821	10.5529	10.6238	10.6946
⅞	9.5614	9.6278	9.6942	9.7606	9.8270	9.8934	9.9598	10.0262
⅞	8.9239	8.9859	9.0479	9.1099	9.1718	9.2338	9.2958	9.3578
⅞	8.2865	8.3441	8.4016	8.4592	8.5167	8.5743	8.6318	8.6893
¾	7.6491	7.7022	7.7553	7.8085	7.8616	7.9147	7.9678	8.0209
⅞	7.0117	7.0604	7.1091	7.1578	7.2064	7.2551	7.3038	7.3525
⅞	6.3742	6.4185	6.4628	6.5070	6.5513	6.5956	6.6398	6.6841
⅞	5.7368	5.7767	5.8165	5.8563	5.8962	5.9360	5.9759	6.0157
½	5.0994	5.1348	5.1702	5.2056	5.2411	5.2765	5.3119	5.3473
⅝	4.7807	4.8139	4.8471	4.8803	4.9135	4.9467	4.9799	5.0131
⅞	4.4620	4.4930	4.5239	4.5549	4.5859	4.6169	4.6479	4.6789
⅞	4.1433	4.1720	4.2008	4.2296	4.2584	4.2871	4.3159	4.3447
⅞	3.8245	3.8511	3.8777	3.9042	3.9308	3.9573	3.9839	4.0105
⅞	3.5058	3.5302	3.5545	3.5789	3.6032	3.6276	3.6519	3.6763
⅞	3.1871	3.2093	3.2314	3.2535	3.2757	3.2978	3.3199	3.3421
⅞	2.8684	2.8883	2.9083	2.9282	2.9481	2.9680	2.9879	3.0078
⅞	2.7091	2.7279	2.7467	2.7655	2.7843	2.8031	2.8219	2.8407
¼	2.5497	2.5674	2.5851	2.6028	2.6205	2.6382	2.6559	2.6736
⅞	2.3903	2.4069	2.4235	2.4401	2.4567	2.4733	2.4899	2.5065
⅞	2.2310	2.2465	2.2620	2.2775	2.2930	2.3085	2.3239	2.3394
⅞	2.0716	2.0860	2.1004	2.1148	2.1292	2.1436	2.1579	2.1723
⅞	1.9123	1.9256	1.9388	1.9521	1.9654	1.9787	1.9920	2.0052
⅞	1.7529	1.7651	1.7773	1.7894	1.8016	1.8138	1.8260	1.8381
⅞	1.5936	1.6046	1.6157	1.6268	1.6378	1.6489	1.6600	1.6710
⅞	1.4342	1.4442	1.4541	1.4641	1.4740	1.4840	1.4940	1.5039
⅞	1.2748	1.2837	1.2926	1.3014	1.3103	1.3191	1.3280	1.3368
⅞	1.1155	1.1232	1.1310	1.1387	1.1465	1.1542	1.1620	1.1697

For method of using this table, see page 173

WEIGHTS OF PLATES

Thick- ness	WIDTH IN INCHES							
	38	38¼	38½	38¾	39	39¼	39½	39¾
2	21.5308	21.6725	21.8141	21.9558	22.0974	22.2391	22.3807	22.5224
1 11⁄16	20.8580	20.9952	21.1324	21.2696	21.4069	21.5441	21.6813	21.8185
1 7⁄8	20.1851	20.3179	20.4507	20.5835	20.7163	20.8491	20.9819	21.1147
1 13⁄16	19.5123	19.6407	19.7690	19.8974	20.0258	20.1541	20.2825	20.4109
1 3⁄4	18.8395	18.9634	19.0873	19.2113	19.3352	19.4592	19.5831	19.7071
1 11⁄16	18.1666	18.2861	18.4056	18.5252	18.6447	18.7642	18.8837	19.0032
1 5⁄8	17.4938	17.6089	17.7240	17.8390	17.9541	18.0692	18.1843	18.2994
1 9⁄16	16.8209	16.9316	17.0423	17.1529	17.2636	17.3743	17.4849	17.5956
1 1⁄2	16.1481	16.2543	16.3606	16.4668	16.5731	16.6793	16.7855	16.8918
1 7⁄16	15.4753	15.5771	15.6789	15.7807	15.8825	15.9843	16.0861	16.1879
1 3⁄8	14.8024	14.8998	14.9972	15.0946	15.1920	15.2893	15.3867	15.4841
1 5⁄16	14.1296	14.2225	14.3155	14.4085	14.5014	14.5944	14.6873	14.7803
1 1⁄4	13.4568	13.5453	13.6338	13.7223	13.8109	13.8994	13.9879	14.0765
1 9⁄16	12.7839	12.8680	12.9521	13.0362	13.1203	13.2044	13.2885	13.3726
1 1⁄8	12.1111	12.1908	12.2704	12.3501	12.4298	12.5095	12.5891	12.6688
1 1⁄16	11.4382	11.5135	11.5887	11.6640	11.7392	11.8145	11.8897	11.9650
1	10.7654	10.8362	10.9071	10.9779	11.0487	11.1195	11.1904	11.2612
7⁄8	10.0926	10.1590	10.2254	10.2918	10.3582	10.4246	10.4910	10.5574
3⁄4	9.4197	9.4817	9.5437	9.6056	9.6676	9.7296	9.7916	9.8535
13⁄16	8.7469	8.8044	8.8620	8.9195	8.9771	9.0346	9.0922	9.1497
3⁄4	8.0741	8.1272	8.1803	8.2334	8.2865	8.3396	8.3928	8.4459
11⁄16	7.4012	7.4499	7.4986	7.5473	7.5960	7.6447	7.6934	7.7421
5⁄8	6.7284	6.7726	6.8169	6.8612	6.9054	6.9497	6.9940	7.0382
9⁄16	6.0555	6.0954	6.1352	6.1751	6.2149	6.2547	6.2946	6.3344
1⁄2	5.3827	5.4181	5.4535	5.4889	5.5244	5.5598	5.5952	5.6306
13⁄16	5.0463	5.0795	5.1127	5.1459	5.1791	5.2123	5.2455	5.2787
7⁄16	4.7099	4.7408	4.7718	4.8028	4.8338	4.8648	4.8958	4.9268
3⁄8	4.3734	4.4022	4.4310	4.4598	4.4885	4.5173	4.5461	4.5749
5⁄16	4.0370	4.0636	4.0901	4.1167	4.1433	4.1698	4.1964	4.2229
11⁄16	3.7006	3.7250	3.7493	3.7736	3.7980	3.8223	3.8467	3.8710
5⁄16	3.3642	3.3863	3.4085	3.4306	3.4527	3.4749	3.4970	3.5191
9⁄16	3.0278	3.0477	3.0676	3.0875	3.1074	3.1274	3.1473	3.1672
11⁄16	2.8596	2.8784	2.8972	2.9160	2.9348	2.9536	2.9724	2.9912
1⁄4	2.6914	2.7091	2.7268	2.7445	2.7622	2.7799	2.7976	2.8153
13⁄16	2.5231	2.5397	2.5563	2.5729	2.5895	2.6061	2.6227	2.6393
7⁄32	2.3549	2.3704	2.3859	2.4014	2.4169	2.4324	2.4479	2.4634
11⁄32	2.1867	2.2011	2.2155	2.2299	2.2443	2.2587	2.2730	2.2874
3⁄16	2.0185	2.0318	2.0451	2.0584	2.0716	2.0849	2.0982	2.1115
11⁄16	1.8503	1.8625	1.8747	1.8868	1.8990	1.9112	1.9233	1.9355
5⁄32	1.6821	1.6932	1.7042	1.7153	1.7264	1.7374	1.7485	1.7596
9⁄32	1.5139	1.5238	1.5338	1.5438	1.5537	1.5637	1.5736	1.5836
1⁄8	1.3457	1.3545	1.3634	1.3722	1.3811	1.3899	1.3988	1.4076
5⁄64	1.1775	1.1852	1.1930	1.2007	1.2084	1.2162	1.2239	1.2317

For method of using this table, see page 173

WEIGHTS OF PLATES

Thick- ness	WIDTH IN INCHES							
	40	40¼	40½	40¾	41	41¼	41½	41¾
2	22.6640	22.8057	22.9473	23.0890	23.2306	23.3723	23.5139	23.6556
1½	21.9558	22.0930	22.2302	22.3674	22.5046	22.6419	22.7791	22.9163
1¾	21.2475	21.3803	21.5131	21.6459	21.7787	21.9115	22.0443	22.1771
1½	20.5392	20.6676	20.7960	20.9244	21.0527	21.1811	21.3095	21.4378
1¾	19.8310	19.9549	20.0789	20.2028	20.3268	20.4507	20.5747	20.6986
1½	19.1227	19.2423	19.3618	19.4813	19.6008	19.7203	19.8399	19.9594
1½	18.4145	18.5296	18.6447	18.7598	18.8749	18.9900	19.1050	19.2201
1½	17.7062	17.8169	17.9276	18.0382	18.1489	18.2596	18.3702	18.4809
1½	16.9980	17.1042	17.2105	17.3167	17.4230	17.5292	17.6354	17.7417
1½	16.2897	16.3916	16.4934	16.5952	16.6970	16.7988	16.9006	17.0024
1¾	15.5815	15.6789	15.7763	15.8737	15.9710	16.0684	16.1658	16.2632
1½	14.8732	14.9662	15.0592	15.1521	15.2451	15.3380	15.4310	15.5240
1¼	14.1650	14.2535	14.3421	14.4306	14.5191	14.6077	14.6962	14.7847
1½	13.4568	13.5409	13.6250	13.7091	13.7932	13.8773	13.9614	14.0455
1½	12.7485	12.8282	12.9079	12.9875	13.0672	13.1469	13.2266	13.3062
1½	12.0402	12.1155	12.1908	12.2660	12.3413	12.4165	12.4918	12.5670
1	11.3320	11.4028	11.4737	11.5445	11.6153	11.6861	11.7570	11.8278
1½	10.6237	10.6901	10.7565	10.8229	10.8893	10.9557	11.0221	11.0885
¾	9.9155	9.9775	10.0394	10.1014	10.1634	10.2254	10.2873	10.3493
1½	9.2072	9.2648	9.3223	9.3799	9.4374	9.4950	9.5525	9.6101
¾	8.4990	8.5521	8.6052	8.6584	8.7115	8.7646	8.8177	8.8708
1½	7.7907	7.8394	7.8881	7.9368	7.9855	8.0342	8.0829	8.1316
½	7.0825	7.1268	7.1710	7.2153	7.2596	7.3038	7.3481	7.3924
1½	6.3742	6.4141	6.4539	6.4938	6.5336	6.5734	6.6133	6.6531
½	5.6660	5.7014	5.7368	5.7722	5.8077	5.8431	5.8785	5.9139
1½	5.3119	5.3451	5.3783	5.4115	5.4447	5.4779	5.5111	5.5443
1½	4.9578	4.9887	5.0197	5.0507	5.0817	5.1127	5.1437	5.1747
1½	4.6036	4.6324	4.6612	4.6899	4.7187	4.7475	4.7763	4.8050
¾	4.2495	4.2761	4.3026	4.3292	4.3557	4.3823	4.4089	4.4354
1½	3.8954	3.9197	3.9441	3.9684	3.9928	4.0171	4.0415	4.0658
1½	3.5412	3.5634	3.5855	3.6076	3.6298	3.6519	3.6740	3.6962
1½	3.1871	3.2070	3.2270	3.2469	3.2668	3.2867	3.3066	3.3266
1½	3.0101	3.0289	3.0477	3.0665	3.0853	3.1041	3.1229	3.1418
¼	2.8330	2.8507	2.8684	2.8861	2.9038	2.9215	2.9392	2.9569
1½	2.6559	2.6725	2.6891	2.7057	2.7223	2.7389	2.7555	2.7721
1½	2.4789	2.4944	2.5099	2.5254	2.5408	2.5563	2.5718	2.5873
1½	2.3018	2.3162	2.3306	2.3450	2.3594	2.3737	2.3881	2.4025
1½	2.1248	2.1380	2.1513	2.1646	2.1779	2.1911	2.2044	2.2177
1½	1.9477	1.9599	1.9720	1.9842	1.9964	2.0086	2.0207	2.0329
1½	1.7706	1.7817	1.7928	1.8038	1.8149	1.8260	1.8370	1.8481
1½	1.5936	1.6035	1.6135	1.6234	1.6334	1.6434	1.6533	1.6633
1½	1.4165	1.4254	1.4342	1.4431	1.4519	1.4608	1.4696	1.4785
1½	1.2394	1.2472	1.2549	1.2627	1.2704	1.2782	1.2859	1.2937

For method of using this table, see page 173

WEIGHTS OF PLATES

Thickness	WIDTH IN INCHES							
	42	42¼	42½	42¾	43	43¼	43½	43¾
2	23.7972	23.9389	24.0805	24.2222	24.3638	24.5055	24.6471	24.7888
1½	23.0535	23.1908	23.3280	23.4652	23.6024	23.7397	23.8769	24.0141
1⅜	22.3099	22.4427	22.5755	22.7083	22.8411	22.9739	23.1067	23.2395
1⅓	21.5662	21.6946	21.8230	21.9513	22.0797	22.2081	22.3364	22.4648
1¼	20.8226	20.9465	21.0704	21.1944	21.3183	21.4423	21.5662	21.6902
1⅓	20.0789	20.1984	20.3179	20.4374	20.5570	20.6765	20.7960	20.9155
1⅔	19.3352	19.4503	19.5654	19.6805	19.7956	19.9107	20.0258	20.1409
1⅕	18.5916	18.7022	18.8129	18.9236	19.0342	19.1449	19.2555	19.3662
1½	17.8479	17.9541	18.0604	18.1666	18.2729	18.3791	18.4853	18.5916
1⅞	17.1042	17.2060	17.3079	17.4097	17.5115	17.6133	17.7151	17.8169
1⅝	16.3606	16.4580	16.5553	16.6527	16.7501	16.8475	16.9449	17.0423
1⅞	15.6169	15.7099	15.8028	15.8958	15.9887	16.0817	16.1747	16.2676
1¼	14.8733	14.9618	15.0503	15.1388	15.2274	15.3159	15.4044	15.4930
1⅓	14.1296	14.2137	14.2978	14.3819	14.4660	14.5501	14.6342	14.7183
1⅝	13.3859	13.4656	13.5453	13.6250	13.7046	13.7843	13.8640	13.9437
1⅞	12.6423	12.7175	12.7928	12.8680	12.9433	13.0185	13.0938	13.1690
1	11.8986	11.9694	12.0403	12.1111	12.1819	12.2527	12.3236	12.3944
⅞	11.1549	11.2213	11.2877	11.3541	11.4205	11.4869	11.5533	11.6197
⅝	10.4113	10.4732	10.5352	10.5972	10.6592	10.7211	10.7831	10.8451
⅓	9.6676	9.7252	9.7827	9.8402	9.8978	9.9553	10.0129	10.0704
¾	8.9240	8.9771	9.0302	9.0833	9.1364	9.1895	9.2427	9.2958
⅓	8.1803	8.2290	8.2777	8.3264	8.3751	8.4237	8.4724	8.5211
⅝	7.4366	7.4809	7.5252	7.5694	7.6137	7.6580	7.7022	7.7465
⅓	6.6930	6.7328	6.7726	6.8125	6.8523	6.8922	6.9320	6.9718
½	5.9493	5.9847	6.0201	6.0555	6.0910	6.1264	6.1618	6.1972
⅓	5.5775	5.6107	5.6439	5.6771	5.7103	5.7435	5.7767	5.8099
⅞	5.2056	5.2366	5.2676	5.2986	5.3296	5.3606	5.3916	5.4225
⅓	4.8338	4.8626	4.8914	4.9201	4.9489	4.9777	5.0064	5.0352
⅝	4.4620	4.4885	4.5151	4.5417	4.5682	4.5948	4.6213	4.6479
⅓	4.0901	4.1145	4.1388	4.1632	4.1875	4.2119	4.2362	4.2606
⅞	3.7183	3.7404	3.7626	3.7847	3.8068	3.8290	3.8511	3.8732
⅓	3.3465	3.3664	3.3863	3.4062	3.4262	3.4461	3.4660	3.4859
⅞	3.1606	3.1794	3.1982	3.2170	3.2358	3.2546	3.2734	3.2923
⅓	2.9747	2.9924	3.0101	3.0278	3.0455	3.0632	3.0809	3.0986
⅞	2.7887	2.8053	2.8219	2.8385	2.8551	2.8717	2.8883	2.9049
⅓	2.6028	2.6183	2.6338	2.6493	2.6648	2.6803	2.6958	2.7113
⅞	2.4169	2.4313	2.4457	2.4601	2.4744	2.4888	2.5032	2.5176
⅓	2.2310	2.2443	2.2575	2.2708	2.2841	2.2974	2.3107	2.3239
⅞	2.0451	2.0572	2.0694	2.0816	2.0938	2.1059	2.1181	2.1303
⅓	1.8592	1.8702	1.8813	1.8924	1.9034	1.9145	1.9256	1.9366
⅞	1.6732	1.6832	1.6932	1.7031	1.7131	1.7230	1.7330	1.7430
⅓	1.4873	1.4962	1.5050	1.5139	1.5227	1.5316	1.5404	1.5493
⅞	1.3014	1.3092	1.3169	1.3246	1.3324	1.3401	1.3479	1.3556

For method of using this table, see page 173

WEIGHTS OF PLATES

Thick- ness	WIDTH IN INCHES							
	44	44¼	44½	44¾	45	45¼	45½	45¾
2	24.9304	25.0721	25.2137	25.3554	25.4970	25.6387	25.7803	25.9220
1½	24.1513	24.2885	24.4258	24.5630	24.7002	24.8374	24.9747	25.1119
1¾	23.3722	23.5050	23.6378	23.7706	23.9034	24.0362	24.1690	24.3018
1⅓	22.5932	22.7215	22.8499	22.9783	23.1067	23.2350	23.3634	23.4918
1¾	21.8141	21.9380	22.0620	22.1859	22.3099	22.4338	22.5578	22.6817
1⅓	21.0350	21.1545	21.2741	21.3936	21.5131	21.6326	21.7521	21.8716
1½	20.2559	20.3710	20.4861	20.6012	20.7163	20.8314	20.9465	21.0616
1⅓	19.4769	19.5875	19.6982	19.8089	19.9195	20.0302	20.1409	20.2515
1½	18.6978	18.8040	18.9103	19.0165	19.1228	19.2290	19.3352	19.4415
1⅓	17.9187	18.0205	18.1223	18.2242	18.3260	18.4278	18.5296	18.6314
1¾	17.1396	17.2370	17.3344	17.4318	17.5292	17.6266	17.7240	17.8213
1⅓	16.3606	16.4535	16.5465	16.6394	16.7324	16.8254	16.9183	17.0113
1¾	15.5815	15.6700	15.7586	15.8471	15.9356	16.0242	16.1127	16.2012
1⅓	14.8024	14.8865	14.9706	15.0547	15.1388	15.2229	15.3071	15.3912
1½	14.0233	14.1030	14.1827	14.2624	14.3421	14.4217	14.5014	14.5811
1⅓	13.2443	13.3195	13.3948	13.4700	13.5453	13.6205	13.6958	13.7710
1	12.4652	12.5360	12.6069	12.6777	12.7485	12.8193	12.8902	12.9610
1⅓	11.6861	11.7525	11.8189	11.8853	11.9517	12.0181	12.0845	12.1509
¾	10.9070	10.9690	11.0310	11.0930	11.1549	11.2169	11.2789	11.3409
1⅓	10.1280	10.1855	10.2431	10.3006	10.3582	10.4157	10.4732	10.5308
¾	9.3489	9.4020	9.4551	9.5083	9.5614	9.6145	9.6676	9.7207
1⅓	8.5698	8.6185	8.6672	8.7159	8.7646	8.8133	8.8620	8.9107
⅝	7.7907	7.8350	7.8793	7.9235	7.9678	8.0121	8.0563	8.1006
1⅓	7.0117	7.0515	7.0914	7.1312	7.1710	7.2109	7.2507	7.2905
½	6.2326	6.2680	6.3034	6.3388	6.3743	6.4097	6.4451	6.4805
1½	5.8431	5.8763	5.9095	5.9427	5.9759	6.0091	6.0423	6.0755
⅞	5.4535	5.4845	5.5155	5.5465	5.5775	5.6085	5.6394	5.6704
1½	5.0640	5.0928	5.1215	5.1503	5.1791	5.2078	5.2366	5.2654
¾	4.6744	4.7010	4.7276	4.7541	4.7807	4.8072	4.8338	4.8604
1½	4.2849	4.3093	4.3336	4.3580	4.3823	4.4066	4.4310	4.4553
⅝	3.8954	3.9175	3.9396	3.9618	3.9839	4.0060	4.0282	4.0503
¾	3.5058	3.5258	3.5457	3.5656	3.5855	3.6054	3.6254	3.6453
1¼	3.3111	3.3299	3.3487	3.3675	3.3863	3.4051	3.4239	3.4428
¼	3.1163	3.1340	3.1517	3.1694	3.1871	3.2048	3.2225	3.2402
1¼	2.9215	2.9381	2.9547	2.9713	2.9879	3.0045	3.0211	3.0377
¾	2.7268	2.7423	2.7577	2.7732	2.7887	2.8042	2.8197	2.8352
1¼	2.5320	2.5464	2.5608	2.5752	2.5895	2.6039	2.6183	2.6327
¾	2.3372	2.3505	2.3638	2.3771	2.3903	2.4036	2.4169	2.4302
1¼	2.1425	2.1546	2.1668	2.1790	2.1912	2.2033	2.2155	2.2277
¾	1.9477	1.9588	1.9698	1.9809	1.9920	2.0030	2.0141	2.0252
1¼	1.7529	1.7629	1.7728	1.7828	1.7928	1.8027	1.8127	1.8226
¾	1.5581	1.5670	1.5759	1.5847	1.5936	1.6024	1.6113	1.6201
1¼	1.3634	1.3711	1.3789	1.3866	1.3944	1.4021	1.4099	1.4176

For method of using this table, see page 173

WEIGHTS OF PLATES

Thick- ness	WIDTH IN INCHES							
	46	46¼	46½	46¾	47	47¼	47½	47¾
2	26.0636	26.2053	26.3469	26.4886	26.6302	26.7719	26.9135	27.0552
1 ⅛	25.2491	25.3863	25.5236	25.6608	25.7980	25.9352	26.0725	26.2097
1 ⅞	24.4346	24.5674	24.7002	24.8330	24.9658	25.0986	25.2314	25.3642
1 ⅓	23.6201	23.7485	23.8769	24.0052	24.1336	24.2620	24.3904	24.5187
1 ¾	22.8057	22.9296	23.0535	23.1775	23.3014	23.4254	23.5493	23.6733
1 ⅞	21.9912	22.1107	22.2302	22.3497	22.4692	22.5887	22.7083	22.8278
1 ⅝	21.1767	21.2918	21.4069	21.5219	21.6370	21.7521	21.8672	21.9823
1 ⅞	20.3622	20.4729	20.5835	20.6942	20.8048	20.9155	21.0262	21.1368
1 ½	19.5477	19.6539	19.7602	19.8664	19.9727	20.0789	20.1851	20.2914
1 ⅞	18.7332	18.8350	18.9368	19.0386	19.1405	19.2423	19.3441	19.4459
1 ⅞	17.9187	18.0161	18.1135	18.2109	18.3083	18.4056	18.5030	18.6004
1 ⅞	17.1042	17.1972	17.2902	17.3831	17.4761	17.5690	17.6620	17.7549
1 ¼	16.2898	16.3783	16.4668	16.5553	16.6439	16.7324	16.8209	16.9095
1 ⅞	15.4753	15.5594	15.6435	15.7276	15.8117	15.8958	15.9799	16.0640
1 ⅞	14.6608	14.7405	14.8201	14.8998	14.9795	15.0592	15.1388	15.2185
1 ⅞	13.8463	13.9215	13.9968	14.0720	14.1473	14.2225	14.2978	14.3730
1	13.0318	13.1026	13.1735	13.2443	13.3151	13.3859	13.4568	13.5276
⅞	12.2173	12.2837	12.3501	12.4165	12.4829	12.5493	12.6157	12.6821
⅞	11.4028	11.4648	11.5268	11.5887	11.6507	11.7127	11.7747	11.8366
⅞	10.5883	10.6459	10.7034	10.7610	10.8185	10.8761	10.9336	10.9912
¾	9.7739	9.8270	9.8801	9.9332	9.9863	10.0394	10.0926	10.1457
⅞	8.9594	9.0081	9.0567	9.1054	9.1541	9.2028	9.2515	9.3002
⅞	8.1449	8.1891	8.2334	8.2777	8.3219	8.3662	8.4105	8.4547
⅞	7.3304	7.3702	7.4101	7.4499	7.4897	7.5296	7.5694	7.6093
½	6.5159	6.5513	6.5867	6.6221	6.6576	6.6930	6.7284	6.7638
⅞	6.1087	6.1419	6.1751	6.2083	6.2415	6.2747	6.3079	6.3411
⅞	5.7014	5.7324	5.7634	5.7944	5.8254	5.8563	5.8873	5.9183
⅞	5.2942	5.3229	5.3517	5.3805	5.4093	5.4380	5.4668	5.4956
⅞	4.8869	4.9135	4.9400	4.9666	4.9932	5.0197	5.0463	5.0728
⅞	4.4797	4.5040	4.5284	4.5527	4.5771	4.6014	4.6258	4.6501
⅞	4.0724	4.0946	4.1167	4.1388	4.1610	4.1831	4.2052	4.2274
⅞	3.6652	3.6851	3.7050	3.7250	3.7449	3.7648	3.7847	3.8046
⅞	3.4616	3.4804	3.4992	3.5180	3.5368	3.5556	3.5744	3.5933
¼	3.2580	3.2757	3.2934	3.3111	3.3288	3.3465	3.3642	3.3819
⅞	3.0543	3.0709	3.0875	3.1041	3.1207	3.1373	3.1539	3.1705
⅞	2.8507	2.8662	2.8817	2.8972	2.9127	2.9282	2.9437	2.9592
⅞	2.6471	2.6615	2.6759	2.6902	2.7046	2.7190	2.7334	2.7478
⅞	2.4435	2.4567	2.4700	2.4833	2.4966	2.5099	2.5231	2.5364
⅞	2.2398	2.2520	2.2642	2.2764	2.2885	2.3007	2.3129	2.3251
⅞	2.0362	2.0473	2.0584	2.0694	2.0805	2.0915	2.1026	2.1137
⅞	1.8326	1.8426	1.8525	1.8625	1.8724	1.8824	1.8924	1.9023
⅞	1.6290	1.6378	1.6467	1.6555	1.6644	1.6732	1.6821	1.6909
⅞	1.4254	1.4331	1.4408	1.4486	1.4563	1.4641	1.4718	1.4796

For method of using this table, see page 173

WEIGHTS OF PLATES

Thick- ness	WIDTH IN INCHES							
	48	48¼	48½	48¾	49	49¼	49½	49¾
2	27.1968	27.3385	27.4801	27.6218	27.7634	27.9051	28.0467	28.1884
1 1⁄16	26.3469	26.4841	26.6213	26.7586	26.8958	27.0330	27.1702	27.3075
1 1⁄8	25.4970	25.6298	25.7626	25.8954	26.0282	26.1610	26.2938	26.4266
1 1⁄16	24.6471	24.7755	24.9038	25.0322	25.1606	25.2890	25.4173	25.5457
1 3⁄4	23.7972	23.9211	24.0451	24.1690	24.2930	24.4169	24.5409	24.6648
1 11⁄16	22.9473	23.0668	23.1863	23.3059	23.4254	23.5449	23.6644	23.7839
1 5⁄8	22.0974	22.2125	22.3276	22.4427	22.5578	22.6729	22.7879	22.9030
1 9⁄16	21.2475	21.3582	21.4688	21.5795	21.6902	21.8008	21.9115	22.0221
1 1⁄2	20.3976	20.5038	20.6101	20.7163	20.8226	20.9288	21.0350	21.1413
1 7⁄16	19.5477	19.6495	19.7513	19.8531	19.9549	20.0568	20.1586	20.2604
1 3⁄8	18.6978	18.7952	18.8926	18.9900	19.0873	19.1847	19.2821	19.3795
1 1⁄16	17.8479	17.9409	18.0338	18.1268	18.2197	18.3127	18.4056	18.4986
1 1⁄4	16.9980	17.0865	17.1751	17.2636	17.3521	17.4407	17.5292	17.6177
1 1⁄16	16.1481	16.2322	16.3163	16.4004	16.4845	16.5686	16.6527	16.7368
1 1⁄8	15.2982	15.3779	15.4576	15.5372	15.6169	15.6966	15.7763	15.8559
1 1⁄16	14.4483	14.5236	14.5988	14.6741	14.7493	14.8246	14.8998	14.9751
1 1⁄16	13.5984	13.6692	13.7401	13.8109	13.8817	13.9525	14.0234	14.0942
1 1⁄8	12.7485	12.8149	12.8813	12.9477	13.0141	13.0805	13.1469	13.2133
7⁄8	11.8986	11.9606	12.0225	12.0845	12.1465	12.2085	12.2704	12.3324
1 1⁄16	11.0487	11.1062	11.1638	11.2213	11.2789	11.3364	11.3940	11.4515
3⁄4	10.1988	10.2519	10.3050	10.3582	10.4113	10.4644	10.5175	10.5706
1 1⁄16	9.3489	9.3976	9.4463	9.4950	9.5437	9.5924	9.6411	9.6897
5⁄8	8.4990	8.5433	8.5875	8.6318	8.6761	8.7203	8.7646	8.8089
1 1⁄16	7.6491	7.6889	7.7288	7.7686	7.8085	7.8483	7.8881	7.9280
1 1⁄2	6.7992	6.8346	6.8700	6.9054	6.9409	6.9763	7.0117	7.0471
1 1⁄2	6.3743	6.4074	6.4406	6.4738	6.5070	6.5402	6.5734	6.6066
7⁄16	5.9493	5.9803	6.0113	6.0423	6.0732	6.1042	6.1352	6.1662
3⁄16	5.5243	5.5531	5.5819	5.6107	5.6394	5.6682	5.6970	5.7258
3⁄8	5.0994	5.1260	5.1525	5.1791	5.2056	5.2322	5.2588	5.2853
1 1⁄32	4.6744	4.6988	4.7231	4.7475	4.7718	4.7962	4.8205	4.8449
1 1⁄16	4.2495	4.2716	4.2938	4.3159	4.3380	4.3602	4.3823	4.4044
1 1⁄32	3.8245	3.8445	3.8644	3.8843	3.9042	3.9241	3.9441	3.9640
1 1⁄16	3.6121	3.6309	3.6497	3.6685	3.6873	3.7061	3.7250	3.7438
1 1⁄4	3.3996	3.4173	3.4350	3.4527	3.4704	3.4881	3.5058	3.5235
1 1⁄16	3.1871	3.2037	3.2203	3.2369	3.2535	3.2701	3.2867	3.3033
7⁄32	2.9747	2.9901	3.0056	3.0211	3.0366	3.0521	3.0676	3.0831
1 1⁄64	2.7622	2.7766	2.7909	2.8053	2.8197	2.8341	2.8485	2.8629
3⁄16	2.5497	2.5630	2.5763	2.5895	2.6028	2.6161	2.6294	2.6427
1 1⁄64	2.3372	2.3494	2.3616	2.3737	2.3859	2.3981	2.4103	2.4224
5⁄32	2.1247	2.1358	2.1469	2.1579	2.1690	2.1801	2.1911	2.2022
9⁄64	1.9123	1.9222	1.9322	1.9422	1.9521	1.9621	1.9720	1.9820
1 1⁄8	1.6998	1.7087	1.7175	1.7264	1.7352	1.7441	1.7529	1.7618
7⁄64	1.4873	1.4951	1.5028	1.5106	1.5183	1.5261	1.5338	1.5415

For method of using this table, see page 173

WEIGHTS OF PLATES

Thickness	WIDTH IN INCHES							
	50	50¼	50½	50¾	51	51¼	51½	51¾
2	28.3300	28.4717	28.6133	28.7550	28.8966	29.0383	29.1799	29.3216
1½	27.4447	27.5819	27.7191	27.8564	27.9936	28.1308	28.2680	28.4053
1¾	26.5594	26.6922	26.8250	26.9578	27.0906	27.2234	27.3562	27.4890
1½	25.6741	25.8024	25.9308	26.0592	26.1875	26.3159	26.4443	26.5727
1¾	24.7888	24.9127	25.0366	25.1606	25.2845	25.4085	25.5324	25.6564
1½	23.9034	24.0230	24.1425	24.2620	24.3815	24.5010	24.6205	24.7401
1½	23.0181	23.1332	23.2483	23.3634	23.4785	23.5936	23.7087	23.8238
1½	22.1328	22.2435	22.3541	22.4648	22.5755	22.6861	22.7968	22.9075
1½	21.2475	21.3537	21.4600	21.5662	21.6725	21.7787	21.8849	21.9912
1½	20.3622	20.4640	20.5658	20.6676	20.7694	20.8712	20.9731	21.0749
1¾	19.4769	19.5743	19.6716	19.7690	19.8664	19.9638	20.0612	20.1586
1½	18.5916	18.6845	18.7775	18.8704	18.9634	19.0564	19.1493	19.2423
1¼	17.7063	17.7948	17.8833	17.9718	18.0604	18.1489	18.2374	18.3260
1½	16.8209	16.9050	16.9891	17.0733	17.1574	17.2415	17.3256	17.4097
1½	15.9356	16.0153	16.0950	16.1747	16.2543	16.3340	16.4137	16.4934
1½	15.0503	15.1256	15.2008	15.2761	15.3513	15.4266	15.5018	15.5771
1	14.1650	14.2358	14.3067	14.3775	14.4483	14.5191	14.5900	14.6608
1½	13.2797	13.3461	13.4125	13.4789	13.5453	13.6117	13.6781	13.7445
¾	12.3944	12.4563	12.5183	12.5803	12.6423	12.7042	12.7662	12.8282
1½	11.5091	11.5666	11.6242	11.6817	11.7392	11.7968	11.8543	11.9119
¾	10.6238	10.6769	10.7300	10.7831	10.8362	10.8893	10.9425	10.9956
1½	9.7384	9.7871	9.8358	9.8845	9.9332	9.9819	10.0306	10.0793
½	8.8531	8.8974	8.9417	8.9859	9.0302	9.0745	9.1187	9.1630
1½	7.9678	8.0077	8.0475	8.0873	8.1272	8.1670	8.2068	8.2467
1½	7.0825	7.1179	7.1533	7.1887	7.2242	7.2596	7.2950	7.3304
1½	6.1972	6.2282	6.2592	6.2901	6.3211	6.3521	6.3831	6.4141
1½	5.3119	5.3384	5.3650	5.3916	5.4181	5.4447	5.4712	5.4978
1½	4.4266	4.4487	4.4708	4.4930	4.5151	4.5372	4.5594	4.5815
1½	3.5413	3.5590	3.5767	3.5944	3.6121	3.6298	3.6475	3.6652
1½	2.6559	2.6692	2.6825	2.6958	2.7091	2.7223	2.7356	2.7489
1½	1.7706	1.7795	1.7883	1.7972	1.8060	1.8149	1.8237	1.8326
1½	0.8853	0.8907	0.8961	0.9015	0.9069	0.9123	0.9177	0.9231
1½	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

For method of using this table, see page 173

WEIGHTS OF PLATES

Thick- ness	WIDTH IN INCHES							
	52	52¼	52½	52¾	53	53¼	53½	53¾
2	29.4632	29.6049	29.7465	29.8882	30.0298	30.1715	30.3131	30.4548
1½	28.5425	28.6797	28.8169	28.9541	29.0914	29.2286	29.3658	29.5030
1⅞	27.6217	27.7545	27.8873	28.0201	28.1529	28.2857	28.4185	28.5513
1⅓	26.7010	26.8294	26.9578	27.0861	27.2145	27.3429	27.4712	27.5996
1¾	25.7803	25.9042	26.0282	26.1521	26.2761	26.4000	26.5240	26.6479
1⅒	24.8596	24.9791	25.0986	25.2181	25.3376	25.4572	25.5767	25.6962
1⅝	23.9388	24.0539	24.1690	24.2841	24.3992	24.5143	24.6294	24.7445
1⅞	23.0181	23.1288	23.2395	23.3501	23.4608	23.5714	23.6821	23.7928
1½	22.0974	22.2036	22.3099	22.4161	22.5224	22.6286	22.7348	22.8411
1⅒	21.1767	21.2785	21.3803	21.4821	21.5839	21.6857	21.7875	21.8893
1⅜	20.2559	20.3533	20.4507	20.5481	20.6455	20.7429	20.8403	20.9376
1⅒	19.3352	19.4282	19.5211	19.6141	19.7071	19.8000	19.8930	19.9859
1¼	18.4145	18.5030	18.5916	18.6801	18.7686	18.8572	18.9457	19.0342
1⅓	17.4938	17.5779	17.6620	17.7461	17.8302	17.9143	17.9984	18.0825
1⅝	16.5730	16.6527	16.7324	16.8121	16.8918	16.9714	17.0511	17.1308
1⅒	15.6523	15.7276	15.8028	15.8781	15.9533	16.0286	16.1038	16.1791
1	14.7316	14.8024	14.8733	14.9441	15.0149	15.0857	15.1566	15.2274
⅞	13.8109	13.8773	13.9437	14.0101	14.0765	14.1429	14.2093	14.2757
⅝	12.8901	12.9521	13.0141	13.0761	13.1380	13.2000	13.2620	13.3240
⅓	11.9694	12.0270	12.0845	12.1421	12.1996	12.2572	12.3147	12.3722
¾	11.0487	11.1018	11.1549	11.2081	11.2612	11.3143	11.3674	11.4205
⅒	10.1280	10.1767	10.2254	10.2740	10.3227	10.3714	10.4201	10.4688
⅝	9.2072	9.2515	9.2958	9.3400	9.3843	9.4286	9.4728	9.5171
⅒	8.2865	8.3264	8.3662	8.4060	8.4459	8.4857	8.5256	8.5654
½	7.3658	7.4012	7.4366	7.4720	7.5075	7.5429	7.5783	7.6137
⅓½	6.9054	6.9386	6.9718	7.0050	7.0382	7.0714	7.1046	7.1378
⅒	6.4451	6.4761	6.5070	6.5380	6.5690	6.6000	6.6310	6.6620
⅓½	5.9847	6.0135	6.0423	6.0710	6.0998	6.1286	6.1573	6.1861
⅜	5.5243	5.5509	5.5775	5.6040	5.6306	5.6571	5.6837	5.7103
⅓½	5.0640	5.0883	5.1127	5.1370	5.1614	5.1857	5.2101	5.2344
⅒	4.6036	4.6258	4.6479	4.6700	4.6922	4.7143	4.7364	4.7586
⅓½	4.1433	4.1632	4.1831	4.2030	4.2229	4.2429	4.2628	4.2827
⅓½	3.9131	3.9319	3.9507	3.9695	3.9883	4.0071	4.0260	4.0448
¼	3.6829	3.7006	3.7183	3.7360	3.7537	3.7714	3.7891	3.8068
⅓½	3.4527	3.4693	3.4859	3.5025	3.5191	3.5357	3.5523	3.5689
⅓½	3.2225	3.2380	3.2535	3.2690	3.2845	3.3000	3.3155	3.3310
⅓½	2.9924	3.0067	3.0211	3.0355	3.0499	3.0643	3.0787	3.0931
⅒	2.7622	2.7755	2.7887	2.8020	2.8153	2.8286	2.8419	2.8551
⅓½	2.5320	2.5442	2.5563	2.5685	2.5807	2.5929	2.6050	2.6172
⅓½	2.3018	2.3129	2.3239	2.3350	2.3461	2.3571	2.3682	2.3793
⅓½	2.0716	2.0816	2.0915	2.1015	2.1115	2.1214	2.1314	2.1413
⅓½	1.8414	1.8503	1.8592	1.8680	1.8769	1.8857	1.8946	1.9034
⅓½	1.6113	1.6190	1.6268	1.6345	1.6423	1.6500	1.6577	1.6655

For method of using this table, see page 173

WEIGHTS OF PLATES

Thick- ness	WIDTH IN INCHES							
	54	54¼	54½	54¾	55	55¼	55½	55¾
2	30.5964	30.7381	30.8797	31.0214	31.1630	31.3047	31.4463	31.5880
1½	29.6403	29.7775	29.9147	30.0519	30.1892	30.3264	30.4636	30.6008
1¼	28.6841	28.8169	28.9497	29.0825	29.2153	29.3481	29.4809	29.6137
1⅓	27.7280	27.8564	27.9847	28.1131	28.2415	28.3698	28.4982	28.6266
1¾	26.7719	26.8958	27.0197	27.1437	27.2676	27.3916	27.5155	27.6395
1⅔	25.8157	25.9352	26.0547	26.1743	26.2938	26.4133	26.5328	26.6523
1⅝	24.8596	24.9747	25.0898	25.2048	25.3199	25.4350	25.5501	25.6652
1⅞	23.9034	24.0141	24.1248	24.2354	24.3461	24.4568	24.5674	24.6781
1½	22.9473	23.0535	23.1598	23.2660	23.3723	23.4785	23.5847	23.6910
1⅞	21.9912	22.0930	22.1948	22.2966	22.3984	22.5002	22.6020	22.7038
1¾	21.0350	21.1324	21.2298	21.3272	21.4246	21.5219	21.6193	21.7167
1⅝	20.0789	20.1718	20.2648	20.3578	20.4507	20.5437	20.6366	20.7296
1¼	19.1228	19.2113	19.2998	19.3883	19.4769	19.5654	19.6539	19.7425
1⅓	18.1666	18.2507	18.3348	18.4189	18.5030	18.5871	18.6712	18.7553
1½	17.2105	17.2902	17.3698	17.4495	17.5292	17.6089	17.6885	17.7682
1⅞	16.2543	16.3296	16.4048	16.4801	16.5553	16.6306	16.7058	16.7811
1	15.2982	15.3690	15.4399	15.5107	15.5815	15.6523	15.7232	15.7940
⅞	14.3421	14.4085	14.4749	14.5413	14.6077	14.6741	14.7405	14.8068
¾	13.3859	13.4479	13.5099	13.5718	13.6338	13.6958	13.7578	13.8197
⅝	12.4298	12.4873	12.5449	12.6024	12.6600	12.7175	12.7751	12.8326
¾	11.4737	11.5268	11.5799	11.6330	11.6861	11.7392	11.7924	11.8455
⅞	10.5175	10.5662	10.6149	10.6636	10.7123	10.7610	10.8097	10.8584
⅝	9.5614	9.6056	9.6499	9.6942	9.7384	9.7827	9.8270	9.8712
⅞	8.6052	8.6451	8.6849	8.7248	8.7646	8.8044	8.8443	8.8841
½	7.6491	7.6845	7.7199	7.7553	7.7908	7.8262	7.8616	7.8970
⅞	7.1710	7.2042	7.2374	7.2706	7.3038	7.3370	7.3702	7.4034
⅞	6.6930	6.7239	6.7549	6.7859	6.8169	6.8479	6.8789	6.9099
⅞	6.2149	6.2437	6.2724	6.3012	6.3300	6.3588	6.3875	6.4163
¾	5.7368	5.7634	5.7899	5.8165	5.8431	5.8696	5.8962	5.9227
⅞	5.2588	5.2831	5.3074	5.3318	5.3561	5.3805	5.4048	5.4292
⅞	4.7807	4.8028	4.8250	4.8471	4.8692	4.8914	4.9135	4.9356
⅞	4.3026	4.3225	4.3425	4.3624	4.3823	4.4022	4.4221	4.4421
⅞	4.0636	4.0824	4.1012	4.1200	4.1388	4.1576	4.1765	4.1953
¼	3.8246	3.8423	3.8600	3.8777	3.8954	3.9131	3.9308	3.9485
⅞	3.5855	3.6021	3.6187	3.6353	3.6519	3.6685	3.6851	3.7017
⅞	3.3465	3.3620	3.3775	3.3930	3.4085	3.4239	3.4394	3.4549
⅞	3.1074	3.1218	3.1362	3.1506	3.1650	3.1794	3.1938	3.2082
⅞	2.8684	2.8817	2.8950	2.9083	2.9215	2.9348	2.9481	2.9614
⅞	2.6294	2.6416	2.6537	2.6659	2.6781	2.6902	2.7024	2.7146
⅞	2.3903	2.4014	2.4125	2.4235	2.4346	2.4457	2.4567	2.4678
⅞	2.1513	2.1613	2.1712	2.1812	2.1911	2.2011	2.2111	2.2210
⅞	1.9123	1.9211	1.9300	1.9388	1.9477	1.9565	1.9654	1.9742
⅞	1.6732	1.6810	1.6887	1.6965	1.7042	1.7120	1.7197	1.7275

For method of using this table, see page 173

WEIGHTS OF PLATES

Thick- ness	WIDTH IN INCHES							
	56	56¼	56½	56¾	57	57¼	57½	57¾
2	31.7296	31.8713	32.0129	32.1546	32.2962	32.4379	32.5795	32.7212
1½	30.7381	30.8753	31.0125	31.1497	31.2869	31.4242	31.5614	31.6986
1¾	29.7465	29.8793	30.0121	30.1449	30.2777	30.4105	30.5433	30.6761
1⅜	28.7549	28.8833	29.0117	29.1401	29.2684	29.3968	29.5252	29.6535
1¾	27.7634	27.8873	28.0113	28.1352	28.2592	28.3831	28.5071	28.6310
1⅞	26.7718	26.8914	27.0109	27.1304	27.2499	27.3694	27.4890	27.6085
1⅝	25.7803	25.8954	26.0105	26.1256	26.2407	26.3558	26.4708	26.5859
1⅞	24.7887	24.8994	25.0101	25.1207	25.2314	25.3421	25.4527	25.5634
1½	23.7972	23.9034	24.0097	24.1159	24.2222	24.3284	24.4346	24.5409
1⅞	22.8056	22.9075	23.0093	23.1111	23.2129	23.3147	23.4165	23.5183
1¾	21.8141	21.9115	22.0089	22.1063	22.2036	22.3010	22.3984	22.4958
1⅞	20.8225	20.9155	21.0085	21.1014	21.1944	21.2873	21.3803	21.4733
1¼	19.8310	19.9195	20.0081	20.0966	20.1851	20.2737	20.3622	20.4507
1⅞	18.8395	18.9236	19.0077	19.0918	19.1759	19.2600	19.3441	19.4282
1¾	17.8479	17.9276	18.0073	18.0869	18.1666	18.2463	18.3260	18.4056
1⅞	16.8563	16.9316	17.0069	17.0821	17.1574	17.2326	17.3079	17.3831
1	15.8648	15.9356	16.0065	16.0773	16.1481	16.2189	16.2898	16.3606
1⅞	14.8732	14.9396	15.0060	15.0724	15.1388	15.2052	15.2716	15.3380
¾	13.8817	13.9437	14.0056	14.0676	14.1296	14.1916	14.2535	14.3155
1⅞	12.8901	12.9477	13.0052	13.0628	13.1203	13.1779	13.2354	13.2930
¾	11.8986	11.9517	12.0048	12.0580	12.1111	12.1642	12.2173	12.2704
1⅞	10.9070	10.9557	11.0044	11.0531	11.1018	11.1505	11.1992	11.2479
⅝	9.9155	9.9598	10.0040	10.0483	10.0926	10.1368	10.1811	10.2254
⅞	8.9239	8.9638	9.0036	9.0435	9.0833	9.1231	9.1630	9.2028
½	7.9324	7.9678	8.0032	8.0386	8.0741	8.1095	8.1449	8.1803
⅜	7.4366	7.4698	7.5030	7.5362	7.5694	7.6026	7.6358	7.6690
⅞	6.9409	6.9718	7.0028	7.0338	7.0648	7.0958	7.1268	7.1578
⅜	6.4451	6.4738	6.5026	6.5314	6.5602	6.5889	6.6177	6.6465
¾	5.9493	5.9759	6.0024	6.0290	6.0555	6.0821	6.1087	6.1352
⅜	5.4535	5.4779	5.5022	5.5266	5.5509	5.5753	5.5996	5.6239
⅞	4.9577	4.9799	5.0020	5.0241	5.0463	5.0684	5.0905	5.1127
⅞	4.4620	4.4819	4.5018	4.5217	4.5417	4.5616	4.5815	4.6014
⅞	4.2141	4.2329	4.2517	4.2705	4.2893	4.3081	4.3270	4.3458
¼	3.9662	3.9839	4.0016	4.0193	4.0370	4.0547	4.0724	4.0901
⅞	3.7183	3.7349	3.7515	3.7681	3.7847	3.8013	3.8179	3.8345
⅞	3.4704	3.4859	3.5014	3.5169	3.5324	3.5479	3.5634	3.5789
⅞	3.2225	3.2369	3.2513	3.2657	3.2801	3.2945	3.3089	3.3232
⅞	2.9747	2.9879	3.0012	3.0145	3.0278	3.0410	3.0543	3.0676
⅞	2.7268	2.7389	2.7511	2.7633	2.7755	2.7876	2.7998	2.8120
⅞	2.4789	2.4899	2.5010	2.5121	2.5231	2.5342	2.5453	2.5563
⅞	2.2310	2.2409	2.2509	2.2609	2.2708	2.2808	2.2907	2.3007
⅞	1.9831	1.9920	2.0008	2.0097	2.0185	2.0274	2.0362	2.0451
⅞	1.7352	1.7430	1.7507	1.7584	1.7662	1.7739	1.7817	1.7894

For method of using this table, see page 173

WEIGHTS OF PLATES

Thick- ness	WIDTH IN INCHES							
	58	58¼	58½	58¾	59	59¼	59½	59¾
2	32.8628	33.0045	33.1461	33.2878	33.4294	33.5711	33.7127	33.8544
1 15⁄16	31.8358	31.9731	32.1103	32.2475	32.3847	32.5220	32.6592	32.7964
1 7⁄8	30.8089	30.9417	31.0745	31.2073	31.3401	31.4729	31.6057	31.7385
1 11⁄16	29.7819	29.9103	30.0387	30.1670	30.2954	30.4238	30.5521	30.6805
1 3⁄4	28.7550	28.8789	29.0028	29.1268	29.2507	29.3747	29.4986	29.6226
1 11⁄16	27.7280	27.8475	27.9670	28.0865	28.2061	28.3256	28.4451	28.5646
1 5⁄8	26.7010	26.8161	26.9312	27.0463	27.1614	27.2765	27.3916	27.5067
1 9⁄16	25.6741	25.7847	25.8954	26.0061	26.1167	26.2274	26.3380	26.4487
1 1⁄2	24.6471	24.7533	24.8596	24.9658	25.0721	25.1783	25.2845	25.3908
1 7⁄16	23.6201	23.7219	23.8238	23.9256	24.0274	24.1292	24.2310	24.3328
1 3⁄8	22.5932	22.6906	22.7879	22.8853	22.9827	23.0801	23.1775	23.2749
1 5⁄16	21.5662	21.6592	21.7521	21.8451	21.9380	22.0310	22.1240	22.2169
1 1⁄4	20.5393	20.6278	20.7163	20.8048	20.8934	20.9819	21.0704	21.1590
1 3⁄16	19.5123	19.5964	19.6805	19.7646	19.8487	19.9328	20.0169	20.1010
1 1⁄8	18.4853	18.5650	18.6447	18.7244	18.8040	18.8837	18.9634	19.0431
1 1⁄16	17.4584	17.5336	17.6089	17.6841	17.7594	17.8346	17.9099	17.9851
1	16.4314	16.5022	16.5731	16.6439	16.7147	16.7855	16.8564	16.9272
7⁄8	15.4044	15.4708	15.5372	15.6036	15.6700	15.7364	15.8028	15.8692
3⁄4	14.3775	14.4394	14.5014	14.5634	14.6254	14.6873	14.7493	14.8113
13⁄16	13.3505	13.4081	13.4656	13.5231	13.5807	13.6382	13.6958	13.7533
3⁄4	12.3236	12.3767	12.4298	12.4829	12.5360	12.5891	12.6423	12.6954
11⁄16	11.2966	11.3453	11.3940	11.4427	11.4914	11.5400	11.5887	11.6374
5⁄8	10.2696	10.3139	10.3582	10.4024	10.4467	10.4910	10.5352	10.5795
9⁄16	9.2427	9.2825	9.3223	9.3622	9.4020	9.4419	9.4817	9.5215
1⁄2	8.2157	8.2511	8.2865	8.3219	8.3574	8.3928	8.4282	8.4636
15⁄16	7.7022	7.7354	7.7686	7.8018	7.8350	7.8682	7.9014	7.9346
7⁄16	7.1887	7.2197	7.2507	7.2817	7.3127	7.3437	7.3747	7.4056
13⁄32	6.6753	6.7040	6.7328	6.7616	6.7903	6.8191	6.8479	6.8767
3⁄8	6.1618	6.1883	6.2149	6.2415	6.2680	6.2946	6.3211	6.3477
11⁄32	5.6483	5.6726	5.6970	5.7213	5.7457	5.7700	5.7944	5.8187
5⁄16	5.1348	5.1569	5.1791	5.2012	5.2233	5.2455	5.2676	5.2897
9⁄32	4.6213	4.6413	4.6612	4.6811	4.7010	4.7209	4.7408	4.7608
17⁄64	4.3646	4.3834	4.4022	4.4210	4.4398	4.4587	4.4775	4.4963
1⁄4	4.1079	4.1256	4.1433	4.1610	4.1787	4.1964	4.2141	4.2318
15⁄64	3.8511	3.8677	3.8843	3.9009	3.9175	3.9341	3.9507	3.9673
7⁄32	3.5944	3.6099	3.6254	3.6408	3.6563	3.6718	3.6873	3.7028
11⁄64	3.3376	3.3520	3.3664	3.3808	3.3952	3.4096	3.4239	3.4383
3⁄16	3.0809	3.0942	3.1074	3.1207	3.1340	3.1473	3.1606	3.1738
11⁄64	2.8242	2.8363	2.8485	2.8607	2.8728	2.8850	2.8972	2.9094
5⁄32	2.5674	2.5785	2.5895	2.6006	2.6117	2.6227	2.6338	2.6449
9⁄64	2.3107	2.3206	2.3306	2.3405	2.3505	2.3605	2.3704	2.3804
1⁄8	2.0539	2.0628	2.0716	2.0805	2.0893	2.0982	2.1070	2.1159
7⁄64	1.7972	1.8049	1.8127	1.8204	1.8282	1.8359	1.8437	1.8514

For method of using this table, see page 173

WEIGHTS OF PLATES

Thick- ness	WIDTH IN INCHES							
	60	60¼	60½	60¾	61	61¼	61½	61¾
2	33.9960	34.1377	34.2793	34.4210	34.5626	34.7043	34.8459	34.9876
1½	32.9336	33.0708	33.2081	33.3453	33.4825	33.6197	33.7570	33.8942
1¼	31.8712	32.0040	32.1368	32.2696	32.4024	32.5352	32.6680	32.8008
1⅓	30.8089	30.9372	31.0656	31.1940	31.3224	31.4507	31.5791	31.7075
1¼	29.7465	29.8704	29.9944	30.1183	30.2423	30.3662	30.4902	30.6141
1⅓	28.6841	28.8036	28.9232	29.0427	29.1622	29.2817	29.4012	29.5207
1⅔	27.6217	27.7368	27.8519	27.9670	28.0821	28.1972	28.3123	28.4274
1⅕	26.5594	26.6700	26.7807	26.8914	27.0020	27.1127	27.2234	27.3340
1½	25.4970	25.6032	25.7095	25.8157	25.9220	26.0282	26.1344	26.2407
1⅙	24.4346	24.5364	24.6382	24.7401	24.8419	24.9437	25.0455	25.1473
1⅔	23.3722	23.4696	23.5670	23.6644	23.7618	23.8592	23.9566	24.0539
1⅕	22.3099	22.4028	22.4958	22.5887	22.6817	22.7747	22.8676	22.9606
1¼	21.2475	21.3360	21.4246	21.5131	21.6016	21.6902	21.7787	21.8672
1⅓	20.1851	20.2692	20.3533	20.4374	20.5215	20.6056	20.6898	20.7739
1⅔	19.1227	19.2024	19.2821	19.3618	19.4415	19.5211	19.6008	19.6805
1⅕	18.0604	18.1356	18.2109	18.2861	18.3614	18.4366	18.5119	18.5871
1	16.9980	17.0688	17.1397	17.2105	17.2813	17.3521	17.4230	17.4938
⅝	15.9356	16.0020	16.0684	16.1348	16.2012	16.2676	16.3340	16.4004
⅔	14.8732	14.9352	14.9972	15.0592	15.1211	15.1831	15.2451	15.3071
⅞	13.8109	13.8684	13.9260	13.9835	14.0411	14.0986	14.1561	14.2137
¾	12.7485	12.8016	12.8547	12.9079	12.9610	13.0141	13.0672	13.1203
⅞	11.6861	11.7348	11.7835	11.8322	11.8809	11.9296	11.9783	12.0270
⅝	10.6237	10.6680	10.7123	10.7565	10.8008	10.8451	10.8893	10.9336
⅞	9.5614	9.6012	9.6411	9.6809	9.7207	9.7606	9.8004	9.8402
½	8.4990	8.5344	8.5698	8.6052	8.6407	8.6761	8.7115	8.7469
⅝	7.9678	8.0010	8.0342	8.0674	8.1006	8.1338	8.1670	8.2002
⅞	7.4366	7.4676	7.4986	7.5296	7.5606	7.5916	7.6225	7.6535
⅝	6.9054	6.9342	6.9630	6.9918	7.0205	7.0493	7.0781	7.1068
⅝	6.3742	6.4008	6.4274	6.4539	6.4805	6.5070	6.5336	6.5602
⅝	5.8431	5.8674	5.8918	5.9161	5.9404	5.9648	5.9891	6.0135
⅞	5.3119	5.3340	5.3561	5.3783	5.4004	5.4225	5.4447	5.4668
⅝	4.7807	4.8006	4.8205	4.8404	4.8604	4.8803	4.9002	4.9201
⅝	4.5151	4.5339	4.5527	4.5715	4.5903	4.6092	4.6280	4.6468
⅝	4.2495	4.2672	4.2849	4.3026	4.3203	4.3380	4.3557	4.3734
⅝	3.9839	4.0005	4.0171	4.0337	4.0503	4.0669	4.0835	4.1001
⅝	3.7183	3.7338	3.7493	3.7648	3.7803	3.7958	3.8113	3.8268
⅝	3.4527	3.4671	3.4815	3.4959	3.5103	3.5247	3.5390	3.5534
⅝	3.1871	3.2004	3.2137	3.2270	3.2402	3.2535	3.2668	3.2801
⅝	2.9215	2.9337	2.9459	2.9581	2.9702	2.9824	2.9946	3.0067
⅝	2.6559	2.6670	2.6781	2.6891	2.7002	2.7113	2.7223	2.7334
⅝	2.3903	2.4003	2.4103	2.4202	2.4302	2.4401	2.4501	2.4601
⅝	2.1247	2.1336	2.1425	2.1513	2.1602	2.1690	2.1779	2.1867
⅝	1.8592	1.8669	1.8746	1.8824	1.8901	1.8979	1.9056	1.9134

For method of using this table, see page 173

WEIGHTS OF PLATES

Thick- ness	WIDTH IN INCHES							
	62	62¼	62½	62¾	63	63¼	63½	63¾
2	35.1292	35.2709	35.4125	35.5542	35.6958	35.8375	35.9791	36.1208
1½	34.0314	34.1686	34.3059	34.4431	34.5803	34.7175	34.8548	34.9920
1¼	32.9336	33.0664	33.1992	33.3320	33.4648	33.5976	33.7304	33.8632
1⅓	31.8358	31.9642	32.0926	32.2209	32.3493	32.4777	32.6061	32.7344
1¼	30.7381	30.8620	30.9859	31.1099	31.2338	31.3578	31.4817	31.6057
1⅓	29.6403	29.7598	29.8793	29.9988	30.1183	30.2378	30.3574	30.4769
1½	28.5425	28.6576	28.7727	28.8877	29.0028	29.1179	29.2330	29.3481
1⅓	27.4447	27.5554	27.6660	27.7767	27.8873	27.9980	28.1087	28.2193
1½	26.3469	26.4531	26.5594	26.6656	26.7719	26.8781	26.9843	27.0906
1⅓	25.2491	25.3509	25.4527	25.5545	25.6564	25.7582	25.8600	25.9618
1⅓	24.1513	24.2487	24.3461	24.4435	24.5409	24.6382	24.7356	24.8330
1⅓	23.0535	23.1465	23.2395	23.3324	23.4254	23.5183	23.6113	23.7042
1¼	21.9558	22.0443	22.1328	22.2213	22.3099	22.3984	22.4869	22.5755
1⅓	20.8580	20.9421	21.0262	21.1103	21.1944	21.2785	21.3626	21.4467
1⅓	19.7602	19.8399	19.9195	19.9992	20.0789	20.1586	20.2382	20.3179
1⅓	18.6624	18.7376	18.8129	18.8881	18.9634	19.0386	19.1139	19.1891
1	17.5646	17.6354	17.7063	17.7771	17.8479	17.9187	17.9896	18.0604
⅞	16.4668	16.5332	16.5996	16.6660	16.7324	16.7988	16.8652	16.9316
¾	15.3690	15.4310	15.4930	15.5549	15.6169	15.6789	15.7409	15.8028
⅞	14.2712	14.3288	14.3863	14.4439	14.5014	14.5590	14.6165	14.6741
¾	13.1735	13.2266	13.2797	13.3328	13.3859	13.4390	13.4922	13.5453
⅞	12.0757	12.1244	12.1730	12.2217	12.2704	12.3191	12.3678	12.4165
⅝	10.9779	11.0221	11.0664	11.1107	11.1549	11.1992	11.2435	11.2877
⅞	9.8801	9.9199	9.9598	9.9996	10.0394	10.0793	10.1191	10.1590
½	8.7823	8.8177	8.8531	8.8885	8.9240	8.9594	8.9948	9.0302
⅝	8.2334	8.2666	8.2998	8.3330	8.3662	8.3994	8.4326	8.4658
⅞	7.6845	7.7155	7.7465	7.7775	7.8085	7.8394	7.8704	7.9014
⅝	7.1356	7.1644	7.1932	7.2219	7.2507	7.2795	7.3083	7.3370
⅝	6.5867	6.6133	6.6398	6.6664	6.6930	6.7195	6.7461	6.7726
⅝	6.0378	6.0622	6.0865	6.1109	6.1352	6.1596	6.1839	6.2083
⅞	5.4889	5.5111	5.5332	5.5553	5.5775	5.5996	5.6217	5.6439
⅝	4.9400	4.9600	4.9799	4.9998	5.0197	5.0396	5.0596	5.0795
⅝	4.6656	4.6844	4.7032	4.7220	4.7408	4.7597	4.7785	4.7973
¼	4.3912	4.4089	4.4266	4.4443	4.4620	4.4797	4.4974	4.5151
⅝	4.1167	4.1333	4.1499	4.1665	4.1831	4.1997	4.2163	4.2329
¾	3.8423	3.8577	3.8732	3.8887	3.9042	3.9197	3.9352	3.9507
⅝	3.5678	3.5822	3.5966	3.6110	3.6254	3.6397	3.6541	3.6685
⅝	3.2934	3.3066	3.3199	3.3332	3.3465	3.3598	3.3730	3.3863
⅝	3.0189	3.0311	3.0433	3.0554	3.0676	3.0798	3.0920	3.1041
⅝	2.7445	2.7555	2.7666	2.7777	2.7887	2.7998	2.8109	2.8219
⅝	2.4700	2.4800	2.4899	2.4999	2.5099	2.5198	2.5298	2.5397
⅝	2.1956	2.2044	2.2133	2.2221	2.2310	2.2398	2.2487	2.2575
⅝	1.9211	1.9289	1.9366	1.9444	1.9521	1.9599	1.9676	1.9753

For method of using this table, see page 173

WEIGHTS OF PLATES

Thick- ness	WIDTH IN INCHES							
	64	64¼	64½	64¾	65	65¼	65½	65¾
2	36.2624	36.4041	36.5457	36.6874	36.8290	36.9707	37.1123	37.2540
1½	35.1292	35.2664	35.4036	35.5409	35.6781	35.8153	35.9525	36.0898
1⅞	33.9960	34.1288	34.2616	34.3944	34.5272	34.6600	34.7928	34.9256
1⅝	32.8628	32.9912	33.1195	33.2479	33.3763	33.5047	33.6330	33.7614
1¾	31.7296	31.8535	31.9775	32.1014	32.2254	32.3493	32.4733	32.5972
1⅞	30.5964	30.7159	30.8354	30.9549	31.0745	31.1940	31.3135	31.4330
1⅝	29.4632	29.5783	29.6934	29.8085	29.9236	30.0387	30.1537	30.2688
1⅞	28.3300	28.4407	28.5513	28.6620	28.7727	28.8833	28.9940	29.1046
1½	27.1968	27.3030	27.4093	27.5155	27.6218	27.7280	27.8342	27.9405
1⅞	26.0636	26.1654	26.2672	26.3690	26.4708	26.5727	26.6745	26.7763
1⅞	24.9304	25.0278	25.1252	25.2226	25.3199	25.4173	25.5147	25.6121
1⅞	23.7972	23.8902	23.9831	24.0761	24.1690	24.2620	24.3549	24.4479
1¼	22.6640	22.7525	22.8411	22.9296	23.0181	23.1067	23.1952	23.2837
1⅞	21.5308	21.6149	21.6990	21.7831	21.8672	21.9513	22.0354	22.1195
1⅞	20.3976	20.4773	20.5570	20.6366	20.7163	20.7960	20.8757	20.9553
1⅞	19.2644	19.3397	19.4149	19.4902	19.5654	19.6407	19.7159	19.7912
1	18.1312	18.2020	18.2729	18.3437	18.4145	18.4853	18.5562	18.6270
1⅞	16.9980	17.0644	17.1308	17.1972	17.2636	17.3300	17.3964	17.4628
⅞	15.8648	15.9268	15.9887	16.0507	16.1127	16.1747	16.2366	16.2986
1⅞	14.7316	14.7891	14.8467	14.9042	14.9618	15.0193	15.0769	15.1344
¾	13.5984	13.6515	13.7046	13.7578	13.8109	13.8640	13.9171	13.9702
1⅞	12.4652	12.5139	12.5626	12.6113	12.6600	12.7087	12.7574	12.8060
⅞	11.3320	11.3763	11.4205	11.4648	11.5091	11.5533	11.5976	11.6419
⅞	10.1988	10.2386	10.2785	10.3183	10.3582	10.3980	10.4378	10.4777
½	9.0656	9.1010	9.1364	9.1718	9.2073	9.2427	9.2781	9.3135
1⅞	8.4990	8.5322	8.5654	8.5986	8.6318	8.6650	8.6982	8.7314
1⅞	7.9324	7.9634	7.9944	8.0254	8.0563	8.0873	8.1183	8.1493
1⅞	7.3658	7.3946	7.4233	7.4521	7.4809	7.5097	7.5384	7.5672
¾	6.7992	6.8258	6.8523	6.8789	6.9054	6.9320	6.9586	6.9851
1⅞	6.2326	6.2569	6.2813	6.3056	6.3300	6.3543	6.3787	6.4030
1⅞	5.6660	5.6881	5.7103	5.7324	5.7545	5.7767	5.7988	5.8209
⅞	5.0994	5.1193	5.1392	5.1592	5.1791	5.1990	5.2189	5.2388
1⅞	4.8161	4.8349	4.8537	4.8725	4.8913	4.9102	4.9290	4.9478
¼	4.5328	4.5505	4.5682	4.5859	4.6036	4.6213	4.6390	4.6567
1⅞	4.2495	4.2661	4.2827	4.2993	4.3159	4.3325	4.3491	4.3657
1⅞	3.9662	3.9817	3.9972	4.0127	4.0282	4.0437	4.0592	4.0747
1⅞	3.6829	3.6973	3.7117	3.7261	3.7404	3.7548	3.7692	3.7836
⅞	3.3996	3.4129	3.4262	3.4394	3.4527	3.4660	3.4793	3.4926
1⅞	3.1163	3.1285	3.1407	3.1528	3.1650	3.1772	3.1893	3.2015
1⅞	2.8330	2.8441	2.8551	2.8662	2.8773	2.8883	2.8994	2.9105
⅞	2.5497	2.5597	2.5696	2.5796	2.5895	2.5995	2.6095	2.6194
1⅞	2.2664	2.2753	2.2841	2.2930	2.3018	2.3107	2.3195	2.3284
1⅞	1.9831	1.9908	1.9986	2.0063	2.0141	2.0218	2.0296	2.0373

For method of using this table, see page 173

WEIGHTS OF PLATES

Thick- ness	WIDTH IN INCHES							
	66	66¼	66½	66¾	67	67¼	67½	67¾
2	37.3956	37.5373	37.6789	37.8206	37.9622	38.1039	38.2455	38.3872
1½	36.2270	36.3642	36.5014	36.6387	36.7759	36.9131	37.0503	37.1876
1⅞	35.0584	35.1912	35.3240	35.4568	35.5896	35.7224	35.8552	35.9880
1⅜	33.8898	34.0181	34.1465	34.2749	34.4032	34.5316	34.6600	34.7884
1¾	32.7212	32.8451	32.9690	33.0930	33.2169	33.3409	33.4648	33.5888
1⅜	31.5525	31.6721	31.7916	31.9111	32.0306	32.1501	32.2696	32.3892
1⅝	30.3839	30.4990	30.6141	30.7292	30.8443	30.9594	31.0745	31.1896
1⅞	29.2153	29.3260	29.4366	29.5473	29.6580	29.7686	29.8793	29.9900
1½	28.0467	28.1529	28.2592	28.3654	28.4717	28.5779	28.6841	28.7904
1⅞	26.8781	26.9799	27.0817	27.1835	27.2853	27.3871	27.4890	27.5908
1⅝	25.7095	25.8069	25.9042	26.0016	26.0990	26.1964	26.2938	26.3912
1⅞	24.5409	24.6338	24.7268	24.8197	24.9127	25.0057	25.0986	25.1916
1¼	23.3723	23.4608	23.5493	23.6378	23.7264	23.8149	23.9034	23.9920
1⅞	22.2036	22.2877	22.3718	22.4560	22.5401	22.6242	22.7083	22.7924
1⅝	21.0350	21.1147	21.1944	21.2741	21.3537	21.4334	21.5131	21.5928
1⅞	19.8664	19.9417	20.0169	20.0922	20.1674	20.2427	20.3179	20.3932
1	18.6978	18.7686	18.8395	18.9103	18.9811	19.0519	19.1228	19.1936
1⅞	17.5292	17.5956	17.6620	17.7284	17.7948	17.8612	17.9276	17.9940
⅞	16.3606	16.4225	16.4845	16.5465	16.6085	16.6704	16.7324	16.7944
1⅞	15.1920	15.2495	15.3071	15.3646	15.4221	15.4797	15.5372	15.5948
¾	14.0234	14.0765	14.1296	14.1827	14.2358	14.2889	14.3421	14.3952
1⅞	12.8547	12.9034	12.9521	13.0008	13.0495	13.0982	13.1469	13.1956
⅝	11.6861	11.7304	11.7747	11.8189	11.8632	11.9075	11.9517	11.9960
1⅞	10.5175	10.5574	10.5972	10.6370	10.6769	10.7167	10.7565	10.7964
1½	9.3489	9.3843	9.4197	9.4551	9.4906	9.5260	9.5614	9.5968
1½	8.7646	8.7978	8.8310	8.8642	8.8974	8.9306	8.9638	8.9970
1⅞	8.1803	8.2113	8.2423	8.2732	8.3042	8.3352	8.3662	8.3972
1½	7.5960	7.6248	7.6535	7.6823	7.7111	7.7398	7.7686	7.7974
⅝	7.0117	7.0382	7.0648	7.0914	7.1179	7.1445	7.1710	7.1976
1½	6.4274	6.4517	6.4761	6.5004	6.5248	6.5491	6.5734	6.5978
⅞	5.8431	5.8652	5.8873	5.9095	5.9316	5.9537	5.9759	5.9980
⅝	5.2588	5.2787	5.2986	5.3185	5.3384	5.3584	5.3783	5.3982
1¼	4.6666	4.6854	5.0042	5.0230	5.0419	5.0607	5.0795	5.0983
1¼	4.6745	4.6922	4.7099	4.7276	4.7453	4.7630	4.7807	4.7984
1¼	4.3823	4.3989	4.4155	4.4321	4.4487	4.4653	4.4819	4.4985
¾	4.0901	4.1056	4.1211	4.1366	4.1521	4.1676	4.1831	4.1986
1¼	3.7980	3.8124	3.8268	3.8412	3.8555	3.8699	3.8843	3.8987
⅝	3.5058	3.5191	3.5324	3.5457	3.5590	3.5722	3.5855	3.5988
1¼	3.2137							
⅝	2.9215							
¾	2.6294							
1⅞	2.3372							
1¼	2.0451							

For method of using this table, see page 173

WEIGHTS OF PLATES

Thick- ness	Width in Inches							
	70	70¼	70½	70¾	71	71¼	71½	71¾
2	39.6620	39.8037	39.9453	40.0870	40.2286	40.3703	40.5119	40.6536
1⅛	38.4226	38.5598	38.6970	38.8342	38.9715	39.1087	39.2459	39.3831
1⅞	37.1831	37.3159	37.4487	37.5815	37.7143	37.8471	37.9799	38.1127
1⅜	35.9437	36.0721	36.2004	36.3288	36.4572	36.5855	36.7139	36.8423
1¾	34.7043	34.8282	34.9521	35.0761	35.2000	35.3240	35.4479	35.5719
1⅓	33.4648	33.5843	33.7038	33.8234	33.9429	34.0624	34.1819	34.3014
1⅝	32.2254	32.3405	32.4556	32.5706	32.6857	32.8008	32.9159	33.0310
1⅙	30.9859	31.0966	31.2073	31.3179	31.4286	31.5393	31.6499	31.7606
1½	29.7465	29.8527	29.9590	30.0652	30.1715	30.2777	30.3839	30.4902
1⅒	28.5071	28.6089	28.7107	28.8125	28.9143	29.0161	29.1179	29.2197
1⅔	27.2676	27.3650	27.4624	27.5598	27.6572	27.7545	27.8519	27.9493
1⅞	26.0282	26.1211	26.2141	26.3071	26.4000	26.4930	26.5859	26.6789
1¼	24.7888	24.8773	24.9658	25.0543	25.1429	25.2314	25.3199	25.4085
1⅞	23.5493	23.6334	23.7175	23.8016	23.8857	23.9698	24.0539	24.1380
1⅞	22.3099	22.3896	22.4692	22.5489	22.6286	22.7083	22.7879	22.8676
1⅙	21.0704	21.1457	21.2209	21.2962	21.3714	21.4467	21.5219	21.5972
1	19.8310	19.9018	19.9727	20.0435	20.1143	20.1851	20.2560	20.3268
⅝	18.5916	18.6580	18.7244	18.7908	18.8572	18.9236	18.9900	19.0563
⅞	17.3521	17.4141	17.4761	17.5380	17.6000	17.6620	17.7240	17.7859
⅜	16.1127	16.1702	16.2278	16.2853	16.3429	16.4004	16.4580	16.5155
¾	14.8733	14.9264	14.9795	15.0326	15.0857	15.1388	15.1920	15.2451
⅜	13.6338	13.6825	13.7312	13.7799	13.8286	13.8773	13.9260	13.9747
⅝	12.3944	12.4386	12.4829	12.5272	12.5714	12.6157	12.6600	12.7042
⅞	11.1549	11.1948	11.2346	11.2745	11.3143	11.3541	11.3940	11.4338
½	9.9155	9.9509	9.9863	10.0217	10.0572	10.0926	10.1280	10.1634
⅝	9.2958	9.3290	9.3622	9.3954	9.4286	9.4618	9.4950	9.5282
⅞	8.6761	8.7070	8.7380	8.7690	8.8000	8.8310	8.8620	8.8930
⅜	8.0563	8.0851	8.1139	8.1427	8.1714	8.2002	8.2290	8.2578
⅝	7.4366	7.4632	7.4897	7.5163	7.5429	7.5694	7.5960	7.6225
⅜	6.8169	6.8413	6.8656	6.8899	6.9143	6.9386	6.9630	6.9873
⅞	6.1972	6.2193	6.2415	6.2636	6.2857	6.3079	6.3300	6.3521
⅝	5.5775	5.5974	5.6173	5.6372	5.6571	5.6771	5.6970	5.7169
⅞	5.2676	5.2864	5.3052	5.3240	5.3429	5.3617	5.3805	5.3993
¼	4.9578	4.9755	4.9932	5.0109	5.0286	5.0463	5.0640	5.0817
⅞	4.6479	4.6645	4.6811	4.6977	4.7143	4.7309	4.7475	4.7641
⅞	4.3380	4.3535	4.3690	4.3845	4.4000	4.4155	4.4310	4.4465
⅞	4.0282	4.0426	4.0569	4.0713	4.0857	4.1001	4.1145	4.1289
⅞	3.7183	3.7316	3.7449	3.7582	3.7714	3.7847	3.7980	3.8113
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== BRIER HILL ==

For method of using this table, see page 173

WEIGHTS OF PLATES

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For method of using this table, see page 173

WEIGHTS OF PLATES

Thick- ness	WIDTH IN INCHES							
	76	76¼	76½	76¾	77	77¼	77½	77¾
2	43.0616	43.2033	43.3449	43.4866	43.6282	43.7699	43.9115	44.0532
1 ⅜	41.7159	41.8531	41.9904	42.1276	42.2648	42.4020	42.5393	42.6765
1 7⁄8	40.3702	40.5030	40.6358	40.7686	40.9014	41.0342	41.1670	41.2998
1 11⁄16	39.0246	39.1529	39.2813	39.4097	39.5381	39.6664	39.7948	39.9232
1 3⁄4	37.6789	37.8028	37.9268	38.0507	38.1747	38.2986	38.4226	38.5465
1 11⁄8	36.3332	36.4527	36.5723	36.6918	36.8113	36.9308	37.0503	37.1698
1 5⁄8	34.9875	35.1026	35.2177	35.3328	35.4479	35.5630	35.6781	35.7932
1 9⁄16	33.6419	33.7525	33.8632	33.9739	34.0845	34.1952	34.3059	34.4165
1 1⁄2	32.2962	32.4024	32.5087	32.6149	32.7212	32.8274	32.9336	33.0399
1 7⁄16	30.9505	31.0523	31.1541	31.2560	31.3578	31.4596	31.5614	31.6632
1 3⁄8	29.6048	29.7022	29.7996	29.8970	29.9944	30.0918	30.1892	30.2865
1 5⁄16	28.2592	28.3521	28.4451	28.5380	28.6310	28.7240	28.8169	28.9099
1 1⁄4	26.9135	27.0020	27.0906	27.1791	27.2676	27.3562	27.4447	27.5332
1 3⁄16	25.5678	25.6519	25.7360	25.8201	25.9042	25.9883	26.0725	26.1566
1 1⁄8	24.2221	24.3018	24.3815	24.4612	24.5409	24.6205	24.7002	24.7799
1 1⁄16	22.8765	22.9517	23.0270	23.1022	23.1775	23.2527	23.3280	23.4032
1	21.5308	21.6016	21.6725	21.7433	21.8141	21.8849	21.9558	22.0266
¾	20.1851	20.2515	20.3179	20.3843	20.4507	20.5171	20.5835	20.6499
7⁄8	18.8394	18.9014	18.9634	19.0254	19.0873	19.1493	19.2113	19.2733
11⁄8	17.4938	17.5513	17.6089	17.6664	17.7240	17.7815	17.8390	17.8966
3⁄4	16.1481	16.2012	16.2543	16.3075	16.3606	16.4137	16.4668	16.5199
11⁄16	14.8024	14.8511	14.8998	14.9485	14.9972	15.0459	15.0946	15.1433
5⁄8	13.4567	13.5010	13.5453	13.5895	13.6338	13.6781	13.7223	13.7666
9⁄16	12.1111	12.1509	12.1908	12.2306	12.2704	12.3103	12.3501	12.3899
1⁄2	10.7654	10.8008	10.8362	10.8716	10.9071	10.9425	10.9779	11.0133
13⁄16	10.0926	10.1258	10.1590	10.1922	10.2254	10.2586	10.2918	10.3250
7⁄16	9.4197	9.4507	9.4817	9.5127	9.5437	9.5747	9.6056	9.6366
13⁄32	8.7469	8.7757	8.8044	8.8332	8.8620	8.8907	8.9195	8.9483
3⁄8	8.0740	8.1006	8.1272	8.1537	8.1803	8.2068	8.2334	8.2600
11⁄32	7.4012	7.4256	7.4499	7.4742	7.4986	7.5229	7.5473	7.5716
5⁄16	6.7284	6.7505	6.7726	6.7948	6.8169	6.8390	6.8612	6.8833
3⁄16	6.0555	6.0755	6.0954	6.1153	6.1352	6.1551	6.1751	6.1950
17⁄64	5.7191	5.7379	5.7567	5.7756	5.7944	5.8132	5.8320	5.8508
1⁄4	5.3827	5.4004	5.4181	5.4358	5.4535	5.4712	5.4889	5.5066
15⁄64								
7⁄32								
13⁄64								
3⁄16								
11⁄64								
5⁄32								
9⁄64								
1⁄8								
7⁄64								

For method of using this table, see page 173

WEIGHTS OF PLATES

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For method of using this table, see page 173

For method of using this table, see page 173

WEIGHTS OF PLATES

Thick- ness	WIDTH IN INCHES							
	82	82¼	82½	82¾	83	83¼	83½	83¾
2	46.4612	46.6029	46.7445	46.8862	47.0278	47.1695	47.3111	47.4528
1½	45.0093	45.1465	45.2837	45.4210	45.5582	45.6954	45.8326	45.9699
1¾	43.5574	43.6902	43.8230	43.9558	44.0886	44.2214	44.3542	44.4870
1½	42.1055	42.2338	42.3622	42.4906	42.6189	42.7473	42.8757	43.0041
1¾	40.6536	40.7775	40.9014	41.0254	41.1493	41.2733	41.3972	41.5212
1½	39.2016	39.3212	39.4407	39.5602	39.6797	39.7992	39.9187	40.0383
1½	37.7497	37.8648	37.9799	38.0950	38.2101	38.3252	38.4403	38.5554
1½	36.2978	36.4085	36.5191	36.6298	36.7405	36.8511	36.9618	37.0725
1½	34.8459	34.9521	35.0584	35.1646	35.2709	35.3771	35.4833	35.5896
1½	33.3940	33.4958	33.5976	33.6994	33.8012	33.9030	34.0049	34.1067
1¾	31.9421	32.0395	32.1368	32.2342	32.3316	32.4290	32.5264	32.6238
1½	30.4902	30.5831	30.6761	30.7690	30.8620	30.9550	31.0479	31.1409
1¼	29.0383	29.1268	29.2153	29.3038	29.3924	29.4809	29.5694	29.6580
1½	27.5863	27.6704	27.7545	27.8387	27.9228	28.0069	28.0910	28.1751
1½	26.1344	26.2141	26.2938	26.3735	26.4531	26.5328	26.6125	26.6922
1½	24.6825	24.7578	24.8330	24.9083	24.9835	25.0588	25.1340	25.2093
1	23.2306	23.3014	23.3723	23.4431	23.5139	23.5847	23.6556	23.7264
1½	21.7787	21.8451	21.9115	21.9779	22.0443	22.1107	22.1771	22.2435
¾	20.3268	20.3887	20.4507	20.5127	20.5747	20.6366	20.6986	20.7606
1½	18.8749	18.9324	18.9900	19.0475	19.1050	19.1626	19.2201	19.2777
¾	17.4230	17.4761	17.5292	17.5823	17.6354	17.6885	17.7417	17.7948
1½	15.9710	16.0197	16.0684	16.1171	16.1658	16.2145	16.2632	16.3119
½	14.5191	14.5634	14.6077	14.6519	14.6962	14.7405	14.7847	14.8290
1½	13.0672	13.1071	13.1469	13.1867	13.2266	13.2664	13.3062	13.3461
½	11.6153	11.6507	11.6861	11.7215	11.7570	11.7924	11.8278	11.8632
1½	10.8893	10.9225	10.9557	10.9889	11.0221	11.0553	11.0885	11.1217
1½	10.1634	10.1944	10.2254	10.2563	10.2873	10.3183	10.3493	10.3803
1½	9.4374	9.4662	9.4950	9.5237	9.5525	9.5813	9.6101	9.6388
¾	8.7115	8.7380	8.7646	8.7912	8.8177	8.8443	8.8708	8.8974
1½	7.9855	8.0099	8.0342	8.0586	8.0829	8.1072	8.1316	8.1559
5½	7.2596	7.2817	7.3038	7.3260	7.3481	7.3702	7.3924	7.4145
3½	6.5336	6.5535	6.5734	6.5934	6.6133	6.6332	6.6531	6.6730
1¾	6.1706	6.1894	6.2083	6.2271	6.2459	6.2647	6.2835	6.3023
1¼	5.8077	5.8254	5.8431	5.8608	5.8785	5.8962	5.9139	5.9316
1564								
732								
1364								
316								
1164								
532								
964								
18								

For method of using this table, see page 173

BRIER HILL

For method of using this table, see page 173

WEIGHTS OF PLATES

Thick- ness	WIDTH IN INCHES							
	90	90¼	90½	90¾	91	91¼	91½	91¾
2	50.9940	51.1357	51.2773	51.4190	51.5606	51.7023	51.8439	51.9856
1 1⁄₃₂	49.4004	49.5377	49.6749	49.8121	49.9493	50.0866	50.2238	50.3610
1 7⁄₈	47.8069	47.9397	48.0725	48.2053	48.3381	48.4709	48.6037	48.7365
1 13⁄₆₄	46.2133	46.3417	46.4701	46.5984	46.7268	46.8552	46.9835	47.1119
1 3⁄₄	44.6198	44.7437	44.8676	44.9916	45.1155	45.2395	45.3634	45.4874
1 11⁄₆₄	43.0262	43.1457	43.2652	43.3847	43.5043	43.6238	43.7433	43.8628
1 5⁄₈	41.4326	41.5477	41.6628	41.7779	41.8930	42.0081	42.1232	42.2383
1 9⁄₁₆	39.8391	39.9497	40.0604	40.1711	40.2817	40.3924	40.5030	40.6137
1 1⁄₂	38.2455	38.3517	38.4580	38.5642	38.6705	38.7767	38.8829	38.9892
1 7⁄₁₆	36.6519	36.7537	36.8556	36.9574	37.0592	37.1610	37.2628	37.3646
1 3⁄₈	35.0584	35.1558	35.2531	35.3505	35.4479	35.5453	35.6427	35.7401
1 5⁄₁₆	33.4648	33.5578	33.6507	33.7437	33.8366	33.9296	34.0226	34.1155
1 1⁄₄	31.8713	31.9598	32.0483	32.1368	32.2254	32.3139	32.4024	32.4910
1 3⁄₁₆	30.2777	30.3618	30.4459	30.5300	30.6141	30.6982	30.7823	30.8664
1 1⁄₈	28.6841	28.7638	28.8435	28.9232	29.0028	29.0825	29.1622	29.2419
1 1⁄₁₆	27.0906	27.1658	27.2411	27.3163	27.3916	27.4668	27.5421	27.6173
1	25.4970	25.5678	25.6387	25.7095	25.7803	25.8511	25.9220	25.9928
15⁄₁₆	23.9034	23.9698	24.0362	24.1026	24.1690	24.2354	24.3018	24.3682
7⁄₈	22.3099	22.3718	22.4338	22.4958	22.5578	22.6197	22.6817	22.7437
13⁄₁₆	20.7163	20.7739	20.8314	20.8889	20.9465	21.0040	21.0616	21.1191
3⁄₄	19.1228	19.1759	19.2290	19.2821	19.3352	19.3883	19.4415	19.4946
11⁄₁₆	17.5292	17.5779	17.6266	17.6753	17.7240	17.7726	17.8213	17.8700
5⁄₈	15.9356	15.9799	16.0242	16.0684	16.1127	16.1570	16.2012	16.2455
1⁄₂	14.3421	14.3819	14.4217	14.4616	14.5014	14.5413	14.5811	14.6209
1⁄₂	12.7485	12.7839	12.8193	12.8547	12.8902	12.9256	12.9610	12.9964
13⁄₃₂	11.9517	11.9849	12.0181	12.0513	12.0845	12.1177	12.1509	12.1841
7⁄₁₆	11.1549	11.1859	11.2169	11.2479	11.2789	11.3099	11.3409	11.3718
13⁄₆₄	10.3582	10.3869	10.4157	10.4445	10.4732	10.5020	10.5308	10.5596
3⁄₈	9.5614	9.5879	9.6145	9.6411	9.6676	9.6942	9.7207	9.7473
11⁄₃₂	8.7646	8.7889	8.8133	8.8376	8.8620	8.8863	8.9107	8.9350
15⁄₆₄	7.9678	7.9899	8.0121	8.0342	8.0563	8.0785	8.1006	8.1227
9⁄₃₂	7.1710	7.1910	7.2109	7.2308	7.2507	7.2706	7.2905	7.3105
17⁄₆₄	6.7726	6.7914	6.8103	6.8291	6.8479	6.8667	6.8855	6.9043
1⁄₄	6.3743	6.3920	6.4097	6.4274	6.4451	6.4628	6.4805	6.4982
15⁄₆₄								
7⁄₃₂								
13⁄₆₄								
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11⁄₆₄								
5⁄₃₂								
9⁄₆₄								
1⁄₈								
7⁄₆₄								

For method of using this table, see page 173

WEIGHTS OF PLATES

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For method of using this table, see page 173

WEIGHTS OF PLATES

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For method of using this table, see page 173

WEIGHTS OF PLATES

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For method of using this table, see page 173

WEIGHTS OF PLATES

Thick- ness	WIDTH IN INCHES							
	100	100¼	100½	100¾	101	101¼	101½	101¾
2	56.6600	56.8017	56.9433	57.0850	57.2266	57.3683	57.5099	57.6516
1 15⁄16	54.8894	55.0266	55.1638	55.3010	55.4383	55.5755	55.7127	55.8499
1 7⁄8	53.1187	53.2515	53.3843	53.5171	53.6499	53.7827	53.9155	54.0483
1 3⁄4	51.3481	51.4765	51.6049	51.7332	51.8616	51.9900	52.1183	52.2467
1 3⁄4	49.5775	49.7014	49.8254	49.9493	50.0733	50.1972	50.3212	50.4451
1 11⁄16	47.8069	47.9264	48.0459	48.1654	48.2849	48.4045	48.5240	48.6435
1 5⁄8	46.0362	46.1513	46.2664	46.3815	46.4966	46.6117	46.7268	46.8419
1 9⁄16	44.2656	44.3763	44.4870	44.5976	44.7083	44.8189	44.9296	45.0403
1 1⁄2	42.4950	42.6012	42.7075	42.8137	42.9200	43.0262	43.1324	43.2387
1 1⁄16	40.7244	40.8262	40.9280	41.0298	41.1316	41.2334	41.3352	41.4370
1 3⁄8	38.9537	39.0511	39.1485	39.2459	39.3433	39.4407	39.5381	39.6354
1 5⁄16	37.1831	37.2761	37.3690	37.4620	37.5550	37.6479	37.7409	37.8338
1 1⁄4	35.4125	35.5010	35.5896	35.6781	35.7666	35.8552	35.9437	36.0322
1 3⁄16	33.6419	33.7260	33.8101	33.8942	33.9783	34.0624	34.1465	34.2306
1 1⁄8	31.8712	31.9509	32.0306	32.1103	32.1900	32.2696	32.3493	32.4290
1 1⁄16	30.1006	30.1759	30.2511	30.3264	30.4016	30.4769	30.5521	30.6274
1	28.3300	28.4008	28.4717	28.5425	28.6133	28.6841	28.7550	28.8258
15⁄16	26.5594	26.6258	26.6922	26.7586	26.8250	26.8914	26.9578	27.0242
7⁄8	24.7887	24.8507	24.9127	24.9747	25.0366	25.0986	25.1606	25.2226
3⁄4	23.0181	23.0757	23.1332	23.1908	23.2483	23.3059	23.3634	23.4209
3⁄4	21.2475	21.3006	21.3537	21.4069	21.4600	21.5131	21.5662	21.6193
11⁄16	19.4769	19.5256	19.5743	19.6229	19.6716	19.7203	19.7690	19.8177
5⁄8	17.7062	17.7505	17.7948	17.8390	17.8833	17.9276	17.9718	18.0161
9⁄16	15.9356	15.9755	16.0153	16.0551	16.0950	16.1348	16.1747	16.2145
1⁄2	14.1650	14.2004	14.2358	14.2712	14.3067	14.3421	14.3775	14.4129
13⁄16	13.2797	13.3129	13.3461	13.3793	13.4125	13.4457	13.4789	13.5121
7⁄16	12.3944	12.4254	12.4563	12.4873	12.5183	12.5493	12.5803	12.6113
13⁄32	11.5091	11.5378	11.5666	11.5954	11.6242	11.6529	11.6817	11.7105
3⁄8	10.6237	10.6503	10.6769	10.7034	10.7300	10.7565	10.7831	10.8097
11⁄32	9.7384	9.7628	9.7871	9.8115	9.8358	9.8602	9.8845	9.9089
5⁄16	8.8531	8.8753	8.8974	8.9195	8.9417	8.9638	8.9859	9.0081
9⁄32	7.9678	7.9877	8.0077	8.0276	8.0475	8.0674	8.0873	8.1072
17⁄64	7.5252	7.5440	7.5628	7.5816	7.6004	7.6192	7.6380	7.6568
1⁄4	7.0825	7.1002	7.1179	7.1356	7.1533	7.1710	7.1887	7.2064
15⁄64								
7⁄32								
13⁄64								
3⁄16								
11⁄64								
5⁄32								
9⁄64								
1⁄8								
7⁄64								

For method of using this table, see page 173

WEIGHTS OF PLATES

Thick- ness	WIDTH IN INCHES							
	102	102¼	102½	102¾	103	103¼	103½	103¾
2	57.7932	57.9349	58.0765	58.2182	58.3598	58.5015	58.6431	58.7848
1 1/16	55.9872	56.1244	56.2616	56.3988	56.5361	56.6733	56.8105	56.9477
1 1/8	54.1811	54.3139	54.4467	54.5795	54.7123	54.8451	54.9779	55.1107
1 3/16	52.3751	52.5035	52.6318	52.7602	52.8886	53.0169	53.1453	53.2737
1 1/4	50.5691	50.6930	50.8169	50.9409	51.0648	51.1888	51.3127	51.4367
1 1/16	48.7630	48.8825	49.0020	49.1216	49.2411	49.3606	49.4801	49.5996
1 1/8	46.9570	47.0721	47.1872	47.3022	47.4173	47.5324	47.6475	47.7626
1 3/16	45.1509	45.2616	45.3723	45.4829	45.5936	45.7043	45.8149	45.9256
1 1/2	43.3449	43.4511	43.5574	43.6636	43.7699	43.8761	43.9823	44.0886
1 5/16	41.5389	41.6407	41.7425	41.8443	41.9461	42.0479	42.1497	42.2515
1 3/8	39.7328	39.8302	39.9276	40.0250	40.1224	40.2197	40.3171	40.4145
1 5/16	37.9268	38.0197	38.1127	38.2057	38.2986	38.3916	38.4845	38.5775
1 1/4	36.1208	36.2093	36.2978	36.3863	36.4749	36.5634	36.6519	36.7405
1 3/16	34.3147	34.3988	34.4829	34.5670	34.6511	34.7352	34.8193	34.9034
1 1/8	32.5087	32.5884	32.6680	32.7477	32.8274	32.9071	32.9867	33.0664
1 1/16	30.7026	30.7779	30.8531	30.9284	31.0036	31.0789	31.1541	31.2294
1	28.8966	28.9674	29.0383	29.1091	29.1799	29.2507	29.3216	29.3924
7/16	27.0906	27.1570	27.2234	27.2898	27.3562	27.4226	27.4890	27.5553
3/8	25.2845	25.3465	25.4085	25.4704	25.5324	25.5944	25.6564	25.7183
1/2	23.4785	23.5360	23.5936	23.6511	23.7087	23.7662	23.8238	23.8813
5/16	21.6725	21.7256	21.7787	21.8318	21.8849	21.9380	21.9912	22.0443
1/8	19.8664	19.9151	19.9638	20.0125	20.0612	20.1099	20.1586	20.2073
3/16	18.0604	18.1046	18.1489	18.1932	18.2374	18.2817	18.3260	18.3702
9/16	16.2543	16.2942	16.3340	16.3739	16.4137	16.4535	16.4934	16.5332
1/2	14.4483	14.4837	14.5191	14.5545	14.5900	14.6254	14.6608	14.6962
5/32	13.5453	13.5785	13.6117	13.6449	13.6781	13.7113	13.7445	13.7777
7/16	12.6423	12.6732	12.7042	12.7352	12.7662	12.7972	12.8282	12.8592
1/2	11.7392	11.7680	11.7968	11.8256	11.8543	11.8831	11.9119	11.9406
3/8	10.8362	10.8628	10.8893	10.9159	10.9425	10.9690	10.9956	11.0221
11/32	9.9332							
5/16	9.0302							
9/32	8.1272							
17/64	7.6757							
1/4	7.2242							
15/64								
3/8								
13/64								
3/16								
11/64								
5/8								
3/4								
7/8								
15/16								

For method of using this table, see page 173

WEIGHTS OF PLATES

Thickness	WIDTH IN INCHES							
	104	104¼	104½	104¾	105	105¼	105½	105¾
2	58.9264	59.0681	59.2097	59.3514	59.4930	59.6347	59.7763	59.9180
1 1/16	57.0850	57.2222	57.3594	57.4966	57.6338	57.7711	57.9083	58.0455
1 1/8	55.2435	55.3763	55.5091	55.6419	55.7747	55.9075	56.0403	56.1731
1 3/8	53.4020	53.5304	53.6588	53.7872	53.9155	54.0439	54.1723	54.3006
1 3/4	51.5606	51.6845	51.8085	51.9324	52.0564	52.1803	52.3043	52.4282
1 1/16	49.7191	49.8387	49.9582	50.0777	50.1972	50.3167	50.4362	50.5558
1 5/8	47.8777	47.9928	48.1079	48.2230	48.3381	48.4532	48.5682	48.6833
1 1/16	46.0362	46.1469	46.2576	46.3682	46.4789	46.5896	46.7002	46.8109
1 1/2	44.1948	44.3010	44.4073	44.5135	44.6198	44.7260	44.8322	44.9385
1 7/16	42.3533	42.4552	42.5570	42.6588	42.7606	42.8624	42.9642	43.0660
1 3/8	40.5119	40.6093	40.7067	40.8041	40.9014	40.9988	41.0962	41.1936
1 1/16	38.6704	38.7634	38.8564	38.9493	39.0423	39.1352	39.2282	39.3212
1 1/4	36.8290	36.9175	37.0061	37.0946	37.1831	37.2717	37.3602	37.4487
1 3/16	34.9876	35.0717	35.1558	35.2399	35.3240	35.4081	35.4922	35.5763
1 1/8	33.1461	33.2258	33.3055	33.3851	33.4648	33.5445	33.6242	33.7038
1 1/16	31.3046	31.3799	31.4552	31.5304	31.6057	31.6809	31.7562	31.8314
1	29.4632	29.5340	29.6049	29.6757	29.7465	29.8173	29.8882	29.9590
1 1/16	27.6217	27.6881	27.7545	27.8209	27.8873	27.9537	28.0201	28.0865
7/8	25.7803	25.8423	25.9042	25.9662	26.0282	26.0902	26.1521	26.2141
1 1/16	23.9388	23.9964	24.0539	24.1115	24.1690	24.2266	24.2841	24.3417
3/4	22.0974	22.1505	22.2036	22.2568	22.3099	22.3630	22.4161	22.4692
1 1/16	20.2559	20.3046	20.3533	20.4020	20.4507	20.4994	20.5481	20.5968
5/8	18.4145	18.4588	18.5030	18.5473	18.5916	18.6358	18.6801	18.7244
9/16	16.5730	16.6129	16.6527	16.6926	16.7324	16.7722	16.8121	16.8519
1/2	14.7316	14.7670	14.8024	14.8378	14.8733	14.9087	14.9441	14.9795
1 5/32	13.8109	13.8441	13.8773	13.9105	13.9437	13.9769	14.0101	14.0433
7/16	12.8902	12.9211	12.9521	12.9831	13.0141	13.0451	13.0761	13.1071
3/16	11.9694	11.9982	12.0270	12.0557	12.0845	12.1133	12.1421	12.1708
3/8	11.0487	11.0753	11.1018	11.1284	11.1549	11.1815	11.2081	11.2346
1 1/32								
5/16								
9/32								
1 1/16								
1 1/4								
1 5/16								
7/32								
1 3/16								
1 1/8								
1 1/4								
1 5/8								
1 3/4								
1 7/8								
2								

For method of using this table, see page 173

WEIGHTS OF PLATES

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WEIGHTS OF PLATES

Thick- ness	WIDTH IN INCHES							
	116	116¼	116½	116¾	117	117¼	117½	117¾
2	65.7256	65.8673	66.0089	66.1506	66.2922	66.4339	66.5755	66.7172
1 15/16	63.6717	63.8089	63.9461	64.0833	64.2206	64.3578	64.4950	64.6322
1 7/8	61.6177	61.7505	61.8833	62.0161	62.1489	62.2817	62.4145	62.5473
1 13/16	59.5638	59.6922	59.8206	59.9489	60.0773	60.2057	60.3340	60.4624
1 3/4	57.5099	57.6338	57.7578	57.8817	58.0057	58.1296	58.2536	58.3775
1 11/16	55.4560	55.5755	55.6950	55.8145	55.9340	56.0536	56.1731	56.2926
1 5/8	53.4020	53.5171	53.6322	53.7473	53.8624	53.9775	54.0926	54.2077
1 1/2	51.3481	51.4588	51.5695	51.6801	51.7908	51.9014	52.0121	52.1228
1 1/2	49.2942	49.4004	49.5067	49.6129	49.7192	49.8254	49.9316	50.0379
1 1/16	47.2403	47.3421	47.4439	47.5457	47.6475	47.7493	47.8511	47.9529
1 3/8	45.1863	45.2837	45.3811	45.4785	45.5759	45.6733	45.7707	45.8680
1 5/16	43.1324	43.2254	43.3183	43.4113	43.5043	43.5972	43.6902	43.7831
1 1/4	41.0785	41.1670	41.2556	41.3441	41.4326	41.5212	41.6097	41.6982
1 1/16	39.0246	39.1087	39.1928	39.2769	39.3610	39.4451	39.5292	39.6133
1 1/8	36.9706	37.0503	37.1300	37.2097	37.2894	37.3690	37.4487	37.5284
1 1/16	34.9167	34.9920	35.0672	35.1425	35.2177	35.2930	35.3682	35.4435
1	32.8628	32.9336	33.0045	33.0753	33.1461	33.2169	33.2878	33.3586
15/16	30.8089	30.8753	30.9417	31.0081	31.0745	31.1409	31.2073	31.2737
7/8	28.7549	28.8169	28.8789	28.9409	29.0028	29.0648	29.1268	29.1888
13/16	26.7010	26.7586	26.8161	26.8737	26.9312	26.9888	27.0463	27.1038
3/4	24.6471	24.7002	24.7533	24.8065	24.8596	24.9127	24.9658	25.0189
11/16	22.5932	22.6419	22.6906	22.7392	22.7879	22.8366	22.8853	22.9340
5/8	20.5392	20.5835	20.6278	20.6720	20.7163	20.7606	20.8048	20.8491
9/16	18.4853	18.5252	18.5650	18.6048	18.6447	18.6845	18.7244	18.7642
1/2	16.4314	16.4668	16.5022	16.5376	16.5731	16.6085	16.6439	16.6793
15/32								
7/16								
13/32								
3/8								
11/32								
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13/64								
3/16								
11/64								
5/32								
9/64								
1/8								
7/64								

For method of using this table, see page 173

WEIGHTS OF PLATES

Thickness	Width in Inches								
	118	118¼	118½	118¾	119	119¼	119½	119¾	120
2	66.8588	67.0005	67.1421	67.2833	67.4254	67.5671	67.7087	67.8504	67.9920
1 15/16	64.7695	64.9067	65.0439	65.1811	65.3184	65.4556	65.5928	65.7300	65.8673
1 7/8	62.6801	62.8129	62.9457	63.0785	63.2113	63.3441	63.4769	63.6097	63.7425
1 13/16	60.5908	60.7192	60.8475	60.9759	61.1043	61.2326	61.3610	61.4894	61.6177
1 3/4	58.5015	58.6254	58.7493	58.8733	58.9972	59.1212	59.2451	59.3691	59.4930
1 11/16	56.4121	56.5316	56.6511	56.7707	56.8902	57.0097	57.1292	57.2487	57.3682
1 5/8	54.3228	54.4379	54.5530	54.6680	54.7831	54.8982	55.0133	55.1284	55.2435
1 1/16	52.2334	52.3441	52.4548	52.5654	52.6761	52.7868	52.8974	53.0081	53.1187
1 1/2	50.1441	50.2503	50.3566	50.4628	50.5691	50.6753	50.7815	50.8878	50.9940
1 7/16	48.0548	48.1566	48.2584	48.3602	48.4620	48.5638	48.6656	48.7674	48.8692
1 3/8	45.9654	46.0628	46.1602	46.2576	46.3550	46.4523	46.5497	46.6471	46.7445
1 5/16	43.8761	43.9690	44.0620	44.1550	44.2479	44.3409	44.4338	44.5268	44.6197
1 1/4	41.7868	41.8753	41.9638	42.0523	42.1409	42.2294	42.3179	42.4065	42.4950
1 1/16	39.6974	39.7815	39.8656	39.9497	40.0338	40.1179	40.2020	40.2861	40.3703
1 1/8	37.6081	37.6878	37.7674	37.8471	37.9268	38.0065	38.0861	38.1658	38.2455
1 1/16	35.5187	35.5940	35.6692	35.7445	35.8197	35.8950	35.9702	36.0455	36.1207
1	33.4294	33.5002	33.5711	33.6419	33.7127	33.7835	33.8544	33.9252	33.9960
15/16	31.3401	31.4065	31.4729	31.5393	31.6057	31.6721	31.7384	31.8048	31.8712
7/8	29.2507	29.3127	29.3747	29.4366	29.4986	29.5606	29.6226	29.6845	29.7465
13/16	27.1614	27.2189	27.2765	27.3340	27.3916	27.4491	27.5067	27.5642	27.6217
3/4	25.0721	25.1252	25.1783	25.2314	25.2845	25.3376	25.3908	25.4439	25.4970
11/16	22.9827	23.0314	23.0801	23.1288	23.1775	23.2262	23.2749	23.3236	23.3722
5/8	20.8934	20.9376	20.9819	21.0262	21.0704	21.1147	21.1590	21.2032	21.2475
9/16	18.8040	18.8439	18.8837	18.9236	18.9634	19.0032	19.0431	19.0829	19.1227
1/2	16.7147	16.7501	16.7855	16.8209	16.8564	16.8918	16.9272	16.9626	16.9980
15/32									
7/16									
13/32									
3/8									
11/32									
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9/32									
17/64									
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15/64									
7/32									
13/64									
3/16									
11/64									
5/32									
9/64									
1/8									
7/64									

For method of using this table, see page 173

METHOD OF USING TABLE OF WEIGHTS OF BLUE ANNEALED, BLACK AND GALVANIZED SHEETS

A RAPID calculating table for users of Blue Annealed, Black and Galvanized Sheets is printed on the following pages.

The weight of any sheet of known dimensions may be found by multiplying the length of the sheet in inches by the number shown in the table opposite its corresponding gauge and width.

For example: A black sheet 10 gauge— $19\frac{1}{2}$ " x 113"—weighs 113 times .7617 or 86.07 pounds.

The same example applies to the use of the Galvanized Sheet Table shown on page 241.

For tables covering heavier gauges of Blue Annealed Sheets, consult page 174.

(Tables showing Weights of Blue Annealed and Black Sheets are copyrighted).

WEIGHTS OF BLUE ANNEALED AND BLACK SHEETS

Gauge	WIDTH IN INCHES							
	18	18¼	18½	18¾	19	19¼	19½	19¾
7	.9375	.9505	.9635	.9766	.9896	1.0026	1.0156	1.0286
8	.8594	.8713	.8832	.8952	.9071	.9190	.9310	.9429
9	.7812	.7921	.8029	.8138	.8246	.8355	.8463	.8572
10	.7031	.7129	.7227	.7324	.7422	.7520	.7617	.7715
11	.6250	.6337	.6424	.6510	.6597	.6684	.6771	.6858
12	.5469	.5545	.5621	.5697	.5773	.5849	.5924	.6000
13	.4687	.4753	.4818	.4883	.4948	.5013	.5078	.5143
14	.3906	.3960	.4015	.4069	.4123	.4177	.4232	.4286
15	.3516	.3564	.3613	.3662	.3711	.3760	.3809	.3857
16	.3125	.3168	.3212	.3255	.3299	.3342	.3385	.3429
17	.2812	.2852	.2891	.2930	.2969	.3008	.3047	.3086
18	.2500	.2535	.2569	.2604	.2639	.2674	.2708	.2743
19	.2188	.2218	.2248	.2279	.2309	.2339	.2370	.2400
20	.1875	.1901	.1927	.1953	.1979	.2005	.2031	.2057
21	.1719	.1743	.1767	.1790	.1814	.1838	.1862	.1886
22	.1562	.1584	.1606	.1628	.1649	.1671	.1693	.1714
23	.1406	.1426	.1445	.1465	.1484	.1504	.1523	.1543
24	.1250	.1267	.1285	.1302	.1319	.1337	.1354	.1372
25	.1094	.1109	.1124	.1139	.1155	.1170	.1185	.1200
26	.0938	.0951	.0964	.0977	.0990	.1003	.1016	.1029
27	.0859	.0871	.0883	.0895	.0907	.0919	.0931	.0943
28	.0781	.0792	.0803	.0814	.0825	.0836	.0846	.0857
29	.0703	.0713	.0723	.0732	.0742	.0752	.0762	.0772
30	.0625	.0634	.0642	.0651	.0660	.0668	.0677	.0686

Gauge	WIDTH IN INCHES							
	20	20¼	20½	20¾	21	21¼	21½	21¾
7	1.0417	1.0547	1.0677	1.0807	1.0937	1.1068	1.1198	1.1328
8	.9548	.9668	.9787	.9907	1.0026	1.0145	1.0265	1.0384
9	.8680	.8789	.8897	.9006	.9115	.9223	.9332	.9440
10	.7812	.7910	.8008	.8105	.8203	.8301	.8398	.8496
11	.6944	.7031	.7118	.7205	.7292	.7378	.7465	.7552
12	.6076	.6152	.6228	.6304	.6380	.6456	.6532	.6608
13	.5208	.5273	.5339	.5404	.5469	.5534	.5599	.5664
14	.4340	.4394	.4449	.4503	.4557	.4612	.4666	.4720
15	.3906	.3955	.4004	.4053	.4102	.4150	.4199	.4248
16	.3472	.3516	.3559	.3602	.3646	.3689	.3733	.3776
17	.3125	.3164	.3203	.3242	.3281	.3320	.3359	.3398
18	.2778	.2812	.2847	.2882	.2917	.2951	.2986	.3021
19	.2431	.2461	.2491	.2522	.2552	.2582	.2613	.2643
20	.2083	.2109	.2135	.2161	.2188	.2214	.2240	.2266
21	.1910	.1934	.1958	.1981	.2005	.2029	.2053	.2077
22	.1736	.1758	.1779	.1801	.1823	.1845	.1866	.1888
23	.1562	.1582	.1602	.1621	.1641	.1660	.1680	.1699
24	.1389	.1406	.1424	.1441	.1458	.1476	.1493	.1510
25	.1215	.1230	.1246	.1261	.1276	.1291	.1306	.1322
26	.1042	.1055	.1068	.1081	.1094	.1107	.1120	.1133
27	.0955	.0967	.0979	.0991	.1003	.1015	.1026	.1038
28	.0868	.0879	.0890	.0901	.0911	.0922	.0933	.0944
29	.0781	.0791	.0801	.0811	.0820	.0830	.0840	.0850
30	.0694	.0703	.0712	.0721	.0729	.0738	.0747	.0755

For method of using this table, see page 230
 (Tables of Weights of Blue Annealed and Black Sheets are Copyrighted)

WEIGHTS OF BLUE ANNEALED AND BLACK SHEETS

Gauge	WIDTH IN INCHES							
	22	22¼	22½	22¾	23	23¼	23½	23¾
7	1.1458	1.1589	1.1719	1.1849	1.1979	1.2109	1.2240	1.2370
8	1.0503	1.0623	1.0742	1.0861	1.0981	1.1100	1.1219	1.1339
9	.9549	.9657	.9766	.9874	.9983	1.0091	1.0200	1.0308
10	.8594	.8691	.8789	.8887	.8984	.9082	.9180	.9277
11	.7639	.7726	.7812	.7899	.7986	.8073	.8160	.8246
12	.6684	.6760	.6836	.6912	.6988	.7064	.7140	.7216
13	.5729	.5794	.5859	.5924	.5990	.6055	.6120	.6185
14	.4774	.4829	.4883	.4937	.4991	.5046	.5100	.5154
15	.4297	.4346	.4395	.4443	.4492	.4541	.4590	.4639
16	.3819	.3863	.3906	.3950	.3993	.4036	.4080	.4123
17	.3437	.3477	.3516	.3555	.3594	.3633	.3672	.3711
18	.3056	.3090	.3125	.3160	.3194	.3229	.3264	.3299
19	.2674	.2704	.2734	.2765	.2795	.2826	.2856	.2886
20	.2292	.2318	.2344	.2370	.2396	.2422	.2448	.2474
21	.2101	.2125	.2148	.2172	.2196	.2220	.2244	.2268
22	.1910	.1931	.1953	.1975	.1996	.2018	.2040	.2062
23	.1719	.1738	.1758	.1777	.1797	.1816	.1836	.1855
24	.1528	.1545	.1562	.1580	.1597	.1615	.1632	.1649
25	.1337	.1352	.1367	.1382	.1398	.1413	.1428	.1443
26	.1146	.1159	.1172	.1185	.1198	.1211	.1224	.1237
27	.1050	.1062	.1074	.1086	.1098	.1110	.1122	.1134
28	.0955	.0966	.0977	.0987	.0998	.1009	.1020	.1031
29	.0859	.0869	.0879	.0889	.0898	.0908	.0918	.0928
30	.0764	.0773	.0781	.0790	.0799	.0807	.0816	.0825

Gauge	WIDTH IN INCHES							
	24	24¼	24½	24¾	25	25¼	25½	25¾
7	1.2500	1.2630	1.2760	1.2891	1.3021	1.3151	1.3281	1.3411
8	1.1458	1.1578	1.1697	1.1816	1.1936	1.2055	1.2174	1.2294
9	1.0417	1.0525	1.0634	1.0742	1.0851	1.0959	1.1068	1.1176
10	.9375	.9473	.9570	.9668	.9766	.9863	.9961	1.0059
11	.8333	.8420	.8507	.8594	.8681	.8767	.8854	.8941
12	.7292	.7368	.7444	.7520	.7596	.7671	.7747	.7823
13	.6250	.6315	.6380	.6445	.6510	.6576	.6641	.6706
14	.5208	.5263	.5317	.5371	.5425	.5480	.5534	.5588
15	.4687	.4736	.4785	.4834	.4883	.4932	.4980	.5029
16	.4167	.4210	.4253	.4297	.4340	.4384	.4427	.4471
17	.3750	.3789	.3828	.3867	.3906	.3945	.3984	.4023
18	.3333	.3368	.3403	.3437	.3472	.3507	.3542	.3576
19	.2917	.2947	.2977	.3008	.3038	.3069	.3099	.3129
20	.2500	.2526	.2552	.2578	.2604	.2630	.2656	.2682
21	.2292	.2316	.2339	.2363	.2387	.2411	.2435	.2459
22	.2083	.2105	.2127	.2148	.2170	.2192	.2214	.2235
23	.1875	.1895	.1914	.1934	.1953	.1973	.1992	.2012
24	.1667	.1684	.1701	.1719	.1736	.1753	.1771	.1788
25	.1458	.1474	.1489	.1504	.1519	.1534	.1549	.1565
26	.1250	.1263	.1276	.1289	.1302	.1315	.1328	.1341
27	.1146	.1158	.1170	.1182	.1194	.1206	.1217	.1229
28	.1042	.1053	.1063	.1074	.1085	.1096	.1107	.1118
29	.0938	.0947	.0957	.0967	.0977	.0986	.0996	.1006
30	.0833	.0842	.0851	.0859	.0868	.0877	.0885	.0894

For method of using this table, see page 230

WEIGHTS OF BLUE ANNEALED AND BLACK SHEETS

Gauge	WIDTH IN INCHES							
	26	26¼	26½	26¾	27	27¼	27½	27¾
7	1.3542	1.3672	1.3802	1.3932	1.4062	1.4193	1.4323	1.4453
8	1.2413	1.2532	1.2652	1.2771	1.2890	1.3010	1.3129	1.3249
9	1.1285	1.1393	1.1502	1.1610	1.1719	1.1827	1.1936	1.2044
10	1.0156	1.0254	1.0352	1.0449	1.0547	1.0645	1.0742	1.0840
11	.9028	.9115	.9201	.9288	.9375	.9462	.9549	.9635
12	.7899	.7975	.8051	.8127	.8203	.8279	.8355	.8431
13	.6771	.6836	.6901	.6966	.7031	.7096	.7161	.7227
14	.5642	.5697	.5751	.5805	.5859	.5914	.5968	.6022
15	.5078	.5127	.5176	.5225	.5273	.5322	.5371	.5420
16	.4514	.4557	.4601	.4644	.4688	.4731	.4774	.4818
17	.4062	.4102	.4141	.4180	.4219	.4258	.4297	.4336
18	.3611	.3646	.3681	.3715	.3750	.3785	.3819	.3854
19	.3160	.3190	.3220	.3251	.3281	.3312	.3342	.3372
20	.2708	.2734	.2760	.2786	.2813	.2839	.2865	.2891
21	.2483	.2507	.2530	.2554	.2578	.2602	.2626	.2650
22	.2257	.2279	.2300	.2322	.2344	.2365	.2387	.2409
23	.2031	.2051	.2070	.2090	.2109	.2129	.2148	.2168
24	.1806	.1823	.1840	.1858	.1875	.1892	.1910	.1927
25	.1580	.1595	.1610	.1625	.1641	.1656	.1671	.1686
26	.1354	.1367	.1380	.1393	.1406	.1419	.1432	.1445
27	.1241	.1253	.1265	.1277	.1289	.1301	.1313	.1325
28	.1129	.1139	.1150	.1161	.1172	.1183	.1194	.1204
29	.1016	.1025	.1035	.1045	.1055	.1064	.1074	.1084
30	.0903	.0912	.0920	.0929	.0938	.0946	.0955	.0964

Gauge	WIDTH IN INCHES							
	28	28¼	28½	28¾	29	29¼	29½	29¾
7	1.4583	1.4714	1.4844	1.4974	1.5104	1.5234	1.5365	1.5495
8	1.3368	1.3487	1.3607	1.3726	1.3845	1.3965	1.4084	1.4203
9	1.2153	1.2261	1.2370	1.2478	1.2587	1.2695	1.2804	1.2912
10	1.0937	1.1035	1.1133	1.1230	1.1328	1.1426	1.1523	1.1621
11	.9722	.9809	.9896	.9983	1.0069	1.0156	1.0243	1.0330
12	.8507	.8583	.8659	.8735	.8811	.8887	.8963	.9039
13	.7292	.7357	.7422	.7487	.7552	.7617	.7682	.7747
14	.6076	.6131	.6185	.6239	.6293	.6348	.6402	.6456
15	.5469	.5518	.5566	.5615	.5664	.5713	.5762	.5811
16	.4861	.4905	.4948	.4991	.5035	.5078	.5122	.5165
17	.4375	.4414	.4453	.4492	.4531	.4570	.4609	.4648
18	.3889	.3924	.3958	.3993	.4028	.4062	.4097	.4132
19	.3403	.3433	.3464	.3494	.3524	.3555	.3585	.3615
20	.2917	.2943	.2969	.2995	.3021	.3047	.3073	.3099
21	.2674	.2698	.2721	.2745	.2769	.2793	.2817	.2841
22	.2431	.2452	.2474	.2496	.2517	.2539	.2561	.2582
23	.2187	.2207	.2227	.2246	.2266	.2285	.2305	.2324
24	.1944	.1962	.1979	.1997	.2014	.2031	.2049	.2066
25	.1701	.1717	.1732	.1747	.1762	.1777	.1793	.1808
26	.1458	.1471	.1484	.1497	.1510	.1523	.1536	.1549
27	.1337	.1349	.1361	.1373	.1385	.1397	.1408	.1420
28	.1215	.1226	.1237	.1248	.1259	.1270	.1280	.1291
29	.1094	.1104	.1113	.1123	.1133	.1143	.1152	.1162
30	.0972	.0981	.0990	.0998	.1007	.1016	.1024	.1033

For method of using this table, see page 230

WEIGHTS OF BLUE ANNEALED AND BLACK SHEETS

Gauge	WIDTH IN INCHES							
	30	30¼	30½	30¾	31	31¼	31½	31¾
7	1.5625	1.5755	1.5885	1.6016	1.6146	1.6276	1.6406	1.6536
8	1.4323	1.4442	1.4561	1.4681	1.4800	1.4920	1.5039	1.5158
9	1.3021	1.3129	1.3238	1.3346	1.3455	1.3563	1.3672	1.3780
10	1.1719	1.1816	1.1914	1.2012	1.2109	1.2207	1.2305	1.2402
11	1.0417	1.0503	1.0590	1.0677	1.0764	1.0851	1.0937	1.1024
12	.9115	.9191	.9267	.9342	.9418	.9494	.9570	.9646
13	.7812	.7878	.7943	.8008	.8073	.8138	.8203	.8268
14	.6510	.6565	.6619	.6673	.6727	.6782	.6836	.6890
15	.5859	.5908	.5957	.6006	.6055	.6104	.6152	.6201
16	.5208	.5252	.5295	.5339	.5382	.5425	.5469	.5512
17	.4687	.4727	.4766	.4805	.4844	.4883	.4922	.4961
18	.4167	.4201	.4236	.4271	.4306	.4340	.4375	.4410
19	.3646	.3676	.3707	.3737	.3767	.3798	.3828	.3859
20	.3125	.3151	.3177	.3203	.3229	.3255	.3281	.3307
21	.2865	.2889	.2912	.2936	.2960	.2984	.3008	.3032
22	.2604	.2626	.2648	.2669	.2691	.2713	.2734	.2756
23	.2344	.2363	.2383	.2402	.2422	.2441	.2461	.2480
24	.2083	.2101	.2118	.2135	.2153	.2170	.2187	.2205
25	.1823	.1838	.1853	.1868	.1884	.1899	.1914	.1929
26	.1563	.1576	.1589	.1602	.1615	.1628	.1641	.1654
27	.1432	.1444	.1456	.1468	.1480	.1492	.1504	.1516
28	.1302	.1313	.1324	.1335	.1346	.1356	.1367	.1378
29	.1172	.1182	.1191	.1201	.1211	.1221	.1231	.1240
30	.1042	.1050	.1059	.1068	.1076	.1085	.1094	.1102

Gauge	WIDTH IN INCHES							
	32	32¼	32½	32¾	33	33¼	33½	33¾
7	1.6667	1.6797	1.6927	1.7057	1.7187	1.7318	1.7448	1.7578
8	1.5278	1.5397	1.5516	1.5636	1.5755	1.5874	1.5994	1.6113
9	1.3889	1.3997	1.4106	1.4214	1.4323	1.4431	1.4540	1.4648
10	1.2500	1.2598	1.2695	1.2793	1.2891	1.2988	1.3086	1.3184
11	1.1111	1.1198	1.1285	1.1371	1.1458	1.1545	1.1632	1.1719
12	.9722	.9798	.9874	.9950	1.0026	1.0102	1.0178	1.0254
13	.8333	.8398	.8464	.8529	.8594	.8659	.8724	.8789
14	.6944	.6999	.7053	.7107	.7161	.7216	.7270	.7324
15	.6250	.6299	.6348	.6396	.6445	.6494	.6543	.6592
16	.5556	.5599	.5642	.5686	.5729	.5773	.5816	.5859
17	.5000	.5039	.5078	.5117	.5156	.5195	.5234	.5273
18	.4444	.4479	.4514	.4549	.4583	.4618	.4653	.4687
19	.3889	.3919	.3950	.3980	.4010	.4041	.4071	.4102
20	.3333	.3359	.3385	.3412	.3438	.3464	.3490	.3516
21	.3056	.3079	.3103	.3127	.3151	.3175	.3199	.3223
22	.2778	.2799	.2821	.2843	.2865	.2886	.2908	.2930
23	.2500	.2519	.2539	.2559	.2578	.2598	.2617	.2637
24	.2222	.2240	.2257	.2274	.2292	.2309	.2326	.2344
25	.1944	.1960	.1975	.1990	.2005	.2020	.2036	.2051
26	.1667	.1680	.1693	.1706	.1719	.1732	.1745	.1758
27	.1528	.1540	.1552	.1564	.1576	.1587	.1599	.1611
28	.1389	.1400	.1411	.1421	.1432	.1443	.1454	.1465
29	.1250	.1260	.1270	.1279	.1289	.1299	.1309	.1318
30	.1111	.1120	.1129	.1137	.1146	.1155	.1163	.1172

For method of using this table, see page 230

WEIGHTS OF BLUE ANNEALED AND BLACK SHEETS

Gauge	WIDTH IN INCHES							
	34	34¼	34½	34¾	35	35¼	35½	35¾
7	1.7708	1.7838	1.7969	1.8099	1.8229	1.8359	1.8490	1.8620
8	1.6232	1.6352	1.6471	1.6590	1.6710	1.6829	1.6949	1.7068
9	1.4757	1.4865	1.4974	1.5082	1.5191	1.5299	1.5408	1.5516
10	1.3281	1.3379	1.3477	1.3574	1.3672	1.3769	1.3867	1.3965
11	1.1805	1.1892	1.1979	1.2066	1.2153	1.2240	1.2326	1.2413
12	1.0330	1.0406	1.0482	1.0558	1.0634	1.0710	1.0786	1.0862
13	.8854	.8919	.8984	.9049	.9115	.9180	.9245	.9310
14	.7378	.7433	.7487	.7541	.7595	.7650	.7704	.7758
15	.6641	.6689	.6738	.6787	.6836	.6885	.6934	.6982
16	.5903	.5946	.5990	.6033	.6076	.6120	.6163	.6207
17	.5312	.5351	.5391	.5430	.5469	.5508	.5547	.5586
18	.4722	.4757	.4792	.4826	.4861	.4896	.4931	.4965
19	.4132	.4162	.4193	.4223	.4253	.4284	.4314	.4345
20	.3542	.3568	.3594	.3620	.3646	.3672	.3698	.3724
21	.3247	.3270	.3294	.3318	.3342	.3366	.3390	.3414
22	.2951	.2973	.2995	.3016	.3038	.3060	.3082	.3103
23	.2656	.2676	.2695	.2715	.2734	.2754	.2773	.2793
24	.2361	.2378	.2396	.2413	.2431	.2448	.2465	.2483
25	.2066	.2081	.2096	.2112	.2127	.2142	.2157	.2172
26	.1771	.1784	.1797	.1810	.1823	.1836	.1849	.1862
27	.1623	.1635	.1647	.1659	.1671	.1683	.1695	.1707
28	.1476	.1487	.1497	.1508	.1519	.1530	.1541	.1552
29	.1328	.1338	.1348	.1357	.1367	.1377	.1387	.1397
30	.1181	.1189	.1198	.1207	.1215	.1224	.1233	.1241

Gauge	WIDTH IN INCHES							
	36	36¼	36½	36¾	37	37¼	37½	37¾
7	1.8750	1.8880	1.9010	1.9141	1.9271	1.9401	1.9531	1.9661
8	1.7187	1.7307	1.7426	1.7545	1.7665	1.7784	1.7903	1.8023
9	1.5625	1.5733	1.5842	1.5950	1.6059	1.6167	1.6276	1.6384
10	1.4062	1.4160	1.4258	1.4355	1.4453	1.4551	1.4648	1.4746
11	1.2500	1.2587	1.2674	1.2760	1.2847	1.2934	1.3021	1.3108
12	1.0938	1.1013	1.1089	1.1165	1.1241	1.1317	1.1393	1.1469
13	.9375	.9440	.9505	.9570	.9635	.9700	.9766	.9831
14	.7812	.7867	.7921	.7975	.8029	.8084	.8138	.8192
15	.7031	.7080	.7129	.7178	.7227	.7275	.7324	.7373
16	.6250	.6293	.6337	.6380	.6424	.6467	.6510	.6554
17	.5625	.5664	.5703	.5742	.5781	.5820	.5859	.5898
18	.5000	.5035	.5069	.5104	.5139	.5174	.5208	.5243
19	.4375	.4405	.4436	.4466	.4497	.4527	.4557	.4588
20	.3750	.3776	.3802	.3828	.3854	.3880	.3906	.3932
21	.3438	.3461	.3485	.3509	.3533	.3557	.3581	.3605
22	.3125	.3147	.3168	.3190	.3212	.3233	.3255	.3277
23	.2812	.2832	.2852	.2871	.2891	.2910	.2930	.2949
24	.2500	.2517	.2535	.2552	.2569	.2587	.2604	.2622
25	.2188	.2203	.2218	.2233	.2248	.2263	.2279	.2294
26	.1875							
27	.1719							
28	.1563							
29	.1406							
30	.1250							

For method of using this table, see page 230

WEIGHTS OF BLUE ANNEALED AND BLACK SHEETS

Gauge	WIDTH IN INCHES							
	38	38¼	38½	38¾	39	39¼	39½	39¾
7	1.9792	1.9922	2.0052	2.0182	2.0312	2.0443	2.0573	2.0703
8	1.8142	1.8261	1.8381	1.8500	1.8620	1.8739	1.8858	1.8978
9	1.6493	1.6601	1.6710	1.6818	1.6927	1.7035	1.7144	1.7252
10	1.4844	1.4941	1.5039	1.5137	1.5234	1.5332	1.5430	1.5527
11	1.3194	1.3281	1.3368	1.3455	1.3542	1.3628	1.3715	1.3802
12	1.1545	1.1621	1.1697	1.1773	1.1849	1.1925	1.2001	1.2077
13	.9896	.9961	1.0026	1.0091	1.0156	1.0221	1.0286	1.0352
14	.8246	.8301	.8355	.8409	.8463	.8518	.8572	.8626
15	.7422	.7471	.7520	.7568	.7617	.7666	.7715	.7764
16	.6597	.6641	.6684	.6727	.6771	.6814	.6858	.6901
17	.5937	.5976	.6016	.6055	.6094	.6133	.6172	.6211
18	.5278	.5312	.5347	.5382	.5417	.5451	.5486	.5521
19	.4618	.4648	.4679	.4709	.4740	.4770	.4800	.4831
20	.3958	.3984	.4010	.4037	.4063	.4089	.4115	.4141
21	.3629	.3652	.3676	.3700	.3724	.3748	.3772	.3796
22	.3299	.3320	.3342	.3364	.3385	.3407	.3429	.3450
23	.2969	.2988	.3008	.3027	.3047	.3066	.3086	.3105
24	.2639	.2656	.2674	.2691	.2708	.2726	.2743	.2760
25	.2309	.2324	.2339	.2355	.2370	.2385	.2400	.2415
26								
27								
28								
29								
30								

Gauge	WIDTH IN INCHES							
	40	40¼	40½	40¾	41	41¼	41½	41¾
7	2.0833	2.0963	2.1094	2.1224	2.1354	2.1484	2.1615	2.1745
8	1.9097	1.9216	1.9336	1.9455	1.9574	1.9694	1.9813	1.9932
9	1.7361	1.7469	1.7578	1.7686	1.7795	1.7903	1.8012	1.8121
10	1.5625	1.5723	1.5820	1.5918	1.6016	1.6113	1.6211	1.6309
11	1.3889	1.3976	1.4062	1.4149	1.4236	1.4323	1.4410	1.4496
12	1.2153	1.2229	1.2305	1.2381	1.2457	1.2533	1.2609	1.2684
13	1.0417	1.0482	1.0547	1.0612	1.0677	1.0742	1.0807	1.0872
14	.8680	.8735	.8789	.8843	.8897	.8952	.9006	.9060
15	.7812	.7861	.7910	.7959	.8008	.8057	.8105	.8154
16	.6944	.6988	.7031	.7075	.7118	.7161	.7205	.7248
17	.6250	.6289	.6328	.6367	.6406	.6445	.6484	.6523
18	.5556	.5590	.5625	.5660	.5694	.5729	.5764	.5799
19	.4861	.4892	.4922	.4952	.4983	.5013	.5043	.5074
20	.4167	.4193	.4219	.4245	.4271	.4297	.4323	.4349
21	.3820	.3843	.3867	.3891	.3915	.3939	.3963	.3987
22	.3472	.3494	.3516	.3537	.3559	.3581	.3602	.3624
23	.3125	.3144	.3164	.3184	.3203	.3223	.3242	.3262
24	.2778	.2795	.2812	.2830	.2847	.2865	.2882	.2899
25	.2431	.2446	.2461	.2476	.2491	.2507	.2522	.2537
26								
27								
28								
29								
30								

For method of using this table, see page 230

WEIGHTS OF BLUE ANNEALED AND BLACK SHEETS

Gauge	WIDTH IN INCHES							
	42	42¼	42½	42¾	43	43¼	43½	43¾
7	2.1875	2.2005	2.2135	2.2266	2.2396	2.2526	2.2656	2.2786
8	2.0052	2.0171	2.0291	2.0410	2.0529	2.0649	2.0768	2.0887
9	1.8229	1.8338	1.8446	1.8555	1.8663	1.8772	1.8880	1.8989
10	1.6406	1.6504	1.6602	1.6699	1.6797	1.6894	1.6992	1.7090
11	1.4583	1.4670	1.4757	1.4844	1.4930	1.5017	1.5104	1.5191
12	1.2760	1.2836	1.2912	1.2988	1.3064	1.3140	1.3216	1.3292
13	1.0937	1.1003	1.1068	1.1133	1.1198	1.1263	1.1328	1.1393
14	.9115	.9169	.9223	.9277	.9332	.9386	.9440	.9494
15	.8203	.8252	.8301	.8350	.8398	.8447	.8496	.8545
16	.7292	.7335	.7379	.7422	.7465	.7509	.7552	.7596
17	.6562	.6601	.6641	.6680	.6719	.6758	.6797	.6836
18	.5833	.5868	.5903	.5937	.5972	.6007	.6042	.6076
19	.5104	.5135	.5165	.5195	.5226	.5256	.5286	.5317
20	.4375	.4401	.4427	.4453	.4479	.4505	.4531	.4557
21	.4010	.4034	.4058	.4082	.4106	.4130	.4154	.4178
22	.3646	.3667	.3689	.3711	.3733	.3754	.3776	.3798
23	.3281	.3301	.3320	.3340	.3359	.3379	.3398	.3418
24	.2917	.2934	.2951	.2969	.2986	.3003	.3021	.3038
25	.2552	.2567	.2582	.2598	.2613	.2628	.2643	.2658
26								
27								
28								
29								
30								

Gauge	WIDTH IN INCHES							
	44	44¼	44½	44¾	45	45¼	45½	45¾
7	2.2917	2.3047	2.3177	2.3307	2.3437	2.3568	2.3698	2.3828
8	2.1007	2.1126	2.1245	2.1365	2.1484	2.1603	2.1723	2.1842
9	1.9097	1.9206	1.9314	1.9423	1.9531	1.9640	1.9748	1.9857
10	1.7187	1.7285	1.7383	1.7480	1.7578	1.7676	1.7773	1.7871
11	1.5278	1.5364	1.5451	1.5538	1.5625	1.5712	1.5799	1.5885
12	1.3368	1.3444	1.3520	1.3596	1.3672	1.3748	1.3824	1.3900
13	1.1458	1.1523	1.1589	1.1654	1.1719	1.1784	1.1849	1.1914
14	.9549	.9603	.9657	.9711	.9766	.9820	.9874	.9928
15	.8594	.8643	.8691	.8740	.8789	.8838	.8887	.8936
16	.7639	.7682	.7726	.7769	.7813	.7856	.7899	.7943
17	.6875	.6914	.6953	.6992	.7031	.7070	.7109	.7148
18	.6111	.6146	.6181	.6215	.6250	.6285	.6319	.6354
19	.5347	.5378	.5408	.5438	.5469	.5499	.5530	.5560
20	.4583	.4609	.4635	.4662	.4688	.4714	.4740	.4766
21	.4201	.4225	.4249	.4273	.4297	.4321	.4345	.4369
22	.3819	.3841	.3863	.3884	.3906	.3928	.3950	.3971
23	.3437	.3457	.3477	.3496	.3516	.3535	.3555	.3574
24	.3056	.3073	.3090	.3108	.3125	.3142	.3160	.3177
25	.2674							
26								
27								
28								
29								
30								

For method of using this table, see page 230

WEIGHTS OF BLUE ANNEALED AND BLACK SHEETS

Gauge	WIDTH IN INCHES							
	46	46¼	46½	46¾	47	47¼	47½	47¾
7	2.3958	2.4088	2.4219	2.4349	2.4479	2.4609	2.4740	2.4870
8	2.1962	2.2081	2.2200	2.2320	2.2439	2.2558	2.2678	2.2797
9	1.9965	2.0074	2.0182	2.0291	2.0399	2.0508	2.0616	2.0725
10	1.7969	1.8066	1.8164	1.8262	1.8359	1.8457	1.8555	1.8652
11	1.5972	1.6059	1.6146	1.6233	1.6319	1.6406	1.6493	1.6580
12	1.3976	1.4052	1.4128	1.4204	1.4280	1.4355	1.4431	1.4507
13	1.1979	1.2044	1.2109	1.2174	1.2240	1.2305	1.2370	1.2435
14	.9983	1.0037	1.0091	1.0145	1.0200	1.0254	1.0308	1.0362
15	.8984	.9033	.9082	.9131	.9180	.9228	.9277	.9326
16	.7986	.8030	.8073	.8116	.8160	.8203	.8247	.8290
17	.7187	.7226	.7266	.7305	.7344	.7383	.7422	.7461
18	.6389	.6424	.6458	.6493	.6528	.6562	.6597	.6632
19	.5590	.5621	.5651	.5681	.5712	.5742	.5773	.5803
20	.4792	.4818	.4844	.4870	.4896	.4922	.4948	.4974
21	.4392	.4416	.4440	.4464	.4488	.4512	.4536	.4560
22	.3993	.4015	.4036	.4058	.4080	.4101	.4123	.4145
23	.3594	.3613	.3633	.3652	.3672	.3691	.3711	.3730
24	.3194	.3212	.3229	.3247	.3264	.3281	.3299	.3316
25								
26								
27								
28								
29								
30								

Gauge	WIDTH IN INCHES							
	48	48¼	48½	48¾	49	49¼	49½	49¾
7	2.5000	2.5130	2.5260	2.5391	2.5521	2.5651	2.5781	2.5911
8	2.2916	2.3036	2.3155	2.3274	2.3394	2.3513	2.3632	2.3752
9	2.0833	2.0942	2.1050	2.1159	2.1267	2.1376	2.1484	2.1593
10	1.8750	1.8848	1.8945	1.9043	1.9141	1.9238	1.9336	1.9434
11	1.6667	1.6753	1.6840	1.6927	1.7014	1.7101	1.7187	1.7274
12	1.4583	1.4659	1.4735	1.4811	1.4887	1.4963	1.5039	1.5115
13	1.2500	1.2565	1.2630	1.2695	1.2760	1.2825	1.2891	1.2956
14	1.0417	1.0471	1.0525	1.0579	1.0634	1.0688	1.0742	1.0796
15	.9375	.9424	.9473	.9521	.9570	.9619	.9668	.9717
16	.8333	.8377	.8420	.8464	.8507	.8550	.8594	.8637
17	.7500	.7539	.7578	.7617	.7656	.7695	.7734	.7773
18	.6667	.6701	.6736	.6771	.6806	.6840	.6875	.6910
19	.5833	.5864	.5894	.5924	.5955	.5985	.6016	.6046
20	.5000	.5026	.5052	.5078	.5104	.5130	.5156	.5182
21	.4583							
22	.4167							
23	.3750							
24	.3333							
25								
26								
27								
28								
29								
30								

For method of using this table, see page 230

WEIGHTS OF BLUE ANNEALED AND BLACK SHEETS

Gauge	WIDTH IN INCHES							
	50	50¼	50½	50¾	51	51¼	51½	51¾
7	2.6042	2.6172	2.6302	2.6432	2.6562	2.6693	2.6823	2.6953
8	2.3871	2.3991	2.4110	2.4229	2.4349	2.4468	2.4587	2.4707
9	2.1701	2.1810	2.1918	2.2027	2.2135	2.2244	2.2352	2.2461
10	1.9531	1.9629	1.9727	1.9824	1.9922	2.0019	2.0117	2.0215
11	1.7361	1.7448	1.7535	1.7621	1.7708	1.7795	1.7882	1.7969
12	1.5191	1.5267	1.5343	1.5419	1.5495	1.5571	1.5647	1.5723
13	1.3021	1.3086	1.3151	1.3216	1.3281	1.3346	1.3411	1.3477
14	1.0851	1.0905	1.0959	1.1013	1.1068	1.1122	1.1176	1.1230
15	.9766	.9814	.9863	.9912	.9961	1.0010	1.0059	1.0107
16	.8681	.8724	.8767	.8811	.8854	.8898	.8941	.8984
17	.7812	.7851	.7891	.7930	.7969	.8008	.8047	.8086
18	.6944	.6979	.7014	.7049	.7083	.7118	.7153	.7187
19	.6076	.6107	.6137	.6168	.6198	.6228	.6259	.6289
20	.5208	.5234	.5260	.5287	.5313	.5339	.5365	.5391
21								
22								
23								
24								
25								
26								
27								
28								
29								
30								

Gauge	WIDTH IN INCHES							
	52	52¼	52½	52¾	53	53¼	53½	53¾
7	2.7083	2.7213	2.7344	2.7474	2.7604	2.7734	2.7865	2.7995
8	2.4826	2.4945	2.5065	2.5184	2.5303	2.5423	2.5542	2.5662
9	2.2569	2.2678	2.2786	2.2895	2.3003	2.3112	2.3220	2.3329
10	2.0312	2.0410	2.0508	2.0605	2.0703	2.0801	2.0898	2.0996
11	1.8055	1.8142	1.8229	1.8316	1.8403	1.8489	1.8576	1.8663
12	1.5799	1.5875	1.5951	1.6027	1.6102	1.6178	1.6254	1.6330
13	1.3542	1.3607	1.3672	1.3737	1.3802	1.3867	1.3932	1.3997
14	1.1285	1.1339	1.1393	1.1447	1.1502	1.1556	1.1610	1.1664
15	1.0156	1.0205	1.0254	1.0303	1.0352	1.0400	1.0449	1.0498
16	.9028	.9071	.9115	.9158	.9201	.9245	.9288	.9332
17	.8125	.8164	.8203	.8242	.8281	.8320	.8359	.8398
18	.7222	.7257	.7292	.7326	.7361	.7396	.7431	.7465
19	.6319	.6350	.6380	.6411	.6441	.6471	.6502	.6532
20	.5417	.5443	.5469	.5495	.5521	.5547	.5573	.5599
21								
22								
23								
24								
25								
26								
27								
28								
29								
30								

For method of using this table, see page 230

WEIGHTS OF BLUE ANNEALED AND BLACK SHEETS

Gauge	WIDTH IN INCHES							
	54	54¼	54½	54¾	55	55¼	55½	55¾
7	2.8125	2.8255	2.8385	2.8516	2.8646	2.8776	2.8906	2.9036
8	2.5781	2.5900	2.6020	2.6139	2.6258	2.6378	2.6497	2.6616
9	2.3437	2.3546	2.3654	2.3763	2.3871	2.3980	2.4088	2.4197
10	2.1094	2.1191	2.1289	2.1387	2.1484	2.1582	2.1680	2.1777
11	1.8750	1.8837	1.8923	1.9010	1.9097	1.9184	1.9271	1.9358
12	1.6406	1.6482	1.6558	1.6634	1.6710	1.6786	1.6862	1.6938
13	1.4062	1.4128	1.4193	1.4258	1.4323	1.4388	1.4453	1.4518
14	1.1719	1.1773	1.1827	1.1881	1.1936	1.1990	1.2044	1.2098
15	1.0547	1.0596	1.0645	1.0693	1.0742	1.0791	1.0840	1.0889
16	.9375	.9418	.9462	.9505	.9549	.9592	.9635	.9679
17	.8437	.8476	.8516	.8555	.8594	.8633	.8672	.8711
18	.7500	.7535	.7569	.7604	.7639	.7674	.7708	.7743
19	.6563	.6593	.6623	.6654	.6684	.6714	.6745	.6775
20	.5625	.5651	.5677	.5703	.5729	.5755	.5781	.5807
21								
22								
23								
24								
25								
26								
27								
28								
29								
30								

Gauge	WIDTH IN INCHES							
	56	56¼	56½	56¾	57	57¼	57½	57¾
7	2.9167	2.9297	2.9427	2.9557	2.9687	2.9818	2.9948	3.0078
8	2.6736	2.6855	2.6974	2.7094	2.7213	2.7333	2.7452	2.7571
9	2.4305	2.4414	2.4522	2.4631	2.4739	2.4848	2.4956	2.5065
10	2.1875	2.1973	2.2070	2.2168	2.2266	2.2363	2.2461	2.2559
11	1.9444	1.9531	1.9618	1.9705	1.9792	1.9878	1.9965	2.0052
12	1.7014	1.7090	1.7166	1.7242	1.7318	1.7394	1.7470	1.7546
13	1.4583	1.4648	1.4714	1.4779	1.4844	1.4909	1.4974	1.5039
14	1.2153	1.2207	1.2261	1.2315	1.2370	1.2424	1.2478	1.2532
15	1.0937	1.0986	1.1035	1.1084	1.1133	1.1182	1.1230	1.1279
16	.9722	.9766	.9809	.9852	.9896	.9939	.9983	1.0026
17	.8750	.8789	.8828	.8867	.8906	.8945	.8984	.9023
18	.7778	.7812	.7847	.7882	.7917	.7951	.7986	.8021
19	.6806	.6836	.6866	.6897	.6927	.6957	.6988	.7018
20	.5833	.5859	.5885	.5912	.5938	.5964	.5990	.6016
21								
22								
23								
24								
25								
26								
27								
28								
29								
30								

For method of using this table, see page 230

WEIGHTS OF GALVANIZED SHEETS

Gauge	WIDTH IN INCHES							
	18	18¼	18½	18¾	19	19¼	19½	19¾
10	.7226	.7327	.7427	.7527	.7628	.7728	.7828	.7929
11	.6445	.6535	.6624	.6714	.6803	.6893	.6982	.7072
12	.5664	.5742	.5821	.5900	.5978	.6057	.6136	.6214
13	.4883	.4950	.5018	.5086	.5154	.5222	.5289	.5357
14	.4101	.4158	.4215	.4272	.4329	.4386	.4443	.4500
15	.3711	.3763	.3814	.3866	.3917	.3969	.4021	.4072
16	.3320	.3366	.3412	.3458	.3504	.3551	.3597	.3643
17	.3008	.3049	.3091	.3133	.3175	.3216	.3258	.3300
18	.2695	.2732	.2770	.2807	.2845	.2882	.2920	.2957
19	.2382	.2416	.2449	.2482	.2515	.2548	.2581	.2614
20	.2070	.2099	.2128	.2156	.2185	.2214	.2243	.2271
21	.1914	.1940	.1967	.1994	.2020	.2047	.2073	.2100
22	.1758	.1782	.1806	.1831	.1855	.1880	.1904	.1928
23	.1601	.1623	.1646	.1668	.1690	.1712	.1735	.1757
24	.1445	.1465	.1485	.1505	.1525	.1545	.1565	.1585
25	.1289	.1307	.1325	.1342	.1360	.1378	.1396	.1414
26	.1133	.1149	.1164	.1180	.1196	.1211	.1227	.1243
27	.1055	.1069	.1084	.1099	.1113	.1128	.1143	.1157
28	.0977	.0990	.1004	.1017	.1031	.1044	.1058	.1071
29	.0898	.0911	.0923	.0936	.0948	.0961	.0973	.0986
30	.0820	.0832	.0843	.0854	.0866	.0877	.0889	.0900

Gauge	WIDTH IN INCHES							
	20	20¼	20½	20¾	21	21¼	21½	21¾
10	.8029	.8130	.8230	.8330	.8431	.8531	.8631	.8732
11	.7161	.7251	.7340	.7430	.7519	.7609	.7698	.7788
12	.6293	.6372	.6450	.6529	.6608	.6686	.6765	.6844
13	.5425	.5493	.5561	.5628	.5696	.5764	.5832	.5900
14	.4557	.4614	.4671	.4728	.4785	.4842	.4899	.4956
15	.4124	.4175	.4227	.4278	.4330	.4381	.4433	.4484
16	.3689	.3735	.3781	.3827	.3873	.3919	.3966	.4012
17	.3342	.3383	.3425	.3467	.3509	.3551	.3592	.3634
18	.2994	.3032	.3069	.3107	.3144	.3182	.3219	.3256
19	.2647	.2680	.2713	.2746	.2780	.2813	.2846	.2879
20	.2300	.2329	.2358	.2386	.2415	.2444	.2473	.2501
21	.2126	.2153	.2180	.2206	.2233	.2259	.2286	.2312
22	.1953	.1977	.2002	.2026	.2050	.2075	.2099	.2124
23	.1779	.1801	.1824	.1846	.1868	.1890	.1913	.1935
24	.1606	.1626	.1646	.1666	.1686	.1706	.1726	.1746
25	.1432	.1450	.1468	.1486	.1504	.1521	.1539	.1557
26	.1259	.1274	.1290	.1306	.1322	.1337	.1353	.1369
27	.1172	.1186	.1201	.1216	.1230	.1245	.1260	.1274
28	.1085	.1099	.1112	.1126	.1139	.1153	.1166	.1180
29	.0998	.1011	.1023	.1036	.1048	.1061	.1073	.1085
30	.0911	.0923	.0934	.0946	.0957	.0968	.0980	.0991

For method of using this table, see page 230
 (Tables of Weights of Galvanized Sheets are Copyrighted)

WEIGHTS OF GALVANIZED SHEETS

Gauge	WIDTH IN INCHES							
	22	22¼	22½	22¾	23	23¼	23½	23¾
10	.8832	.8932	.9033	.9133	.9234	.9334	.9434	.9535
11	.7877	.7967	.8056	.8146	.8235	.8325	.8414	.8504
12	.6922	.7001	.7080	.7158	.7237	.7316	.7394	.7473
13	.5968	.6035	.6103	.6171	.6239	.6307	.6374	.6442
14	.5013	.5070	.5127	.5184	.5241	.5297	.5354	.5411
15	.4536	.4588	.4639	.4691	.4742	.4794	.4845	.4897
16	.4058	.4104	.4150	.4196	.4242	.4288	.4334	.4381
17	.3676	.3718	.3759	.3801	.3843	.3885	.3926	.3968
18	.3294	.3331	.3369	.3406	.3444	.3481	.3519	.3556
19	.2912	.2945	.2978	.3011	.3044	.3077	.3110	.3144
20	.2530	.2559	.2588	.2616	.2645	.2674	.2703	.2731
21	.2339	.2366	.2392	.2419	.2445	.2472	.2499	.2525
22	.2148	.2172	.2197	.2221	.2246	.2270	.2295	.2319
23	.1957	.1979	.2002	.2024	.2046	.2068	.2090	.2113
24	.1766	.1786	.1806	.1826	.1846	.1866	.1886	.1907
25	.1575	.1593	.1611	.1629	.1647	.1665	.1683	.1700
26	.1385	.1400	.1416	.1432	.1447	.1463	.1479	.1495
27	.1289	.1304	.1318	.1333	.1348	.1362	.1377	.1392
28	.1194	.1207	.1221	.1234	.1248	.1261	.1275	.1288
29	.1098	.1110	.1123	.1135	.1148	.1160	.1173	.1185
30	.1002	.1014	.1025	.1037	.1048	.1059	.1071	.1082

Gauge	WIDTH IN INCHES							
	24	24¼	24½	24¾	25	25¼	25½	25¾
10	.9635	.9735	.9836	.9936	1.0036	1.0137	1.0237	1.0338
11	.8593	.8683	.8772	.8862	.8951	.9041	.9130	.9220
12	.7552	.7630	.7709	.7788	.7866	.7945	.8024	.8102
13	.6510	.6578	.6646	.6713	.6781	.6849	.6917	.6985
14	.5468	.5525	.5582	.5639	.5696	.5753	.5810	.5867
15	.4948	.5000	.5051	.5103	.5155	.5206	.5258	.5309
16	.4427	.4473	.4519	.4565	.4611	.4657	.4703	.4749
17	.4010	.4052	.4094	.4135	.4177	.4219	.4261	.4302
18	.3593	.3631	.3668	.3706	.3743	.3781	.3818	.3855
19	.3177	.3210	.3243	.3276	.3309	.3342	.3375	.3408
20	.2760	.2789	.2818	.2846	.2875	.2904	.2933	.2961
21	.2552	.2578	.2605	.2631	.2658	.2685	.2711	.2738
22	.2343	.2368	.2392	.2417	.2441	.2465	.2490	.2514
23	.2135	.2157	.2179	.2202	.2224	.2246	.2268	.2291
24	.1927	.1947	.1967	.1987	.2007	.2027	.2047	.2067
25	.1718	.1736	.1754	.1772	.1790	.1808	.1826	.1844
26	.1510	.1526	.1542	.1558	.1573	.1589	.1605	.1620
27	.1406	.1421	.1436	.1450	.1465	.1479	.1494	.1509
28	.1302	.1316	.1329	.1343	.1356	.1370	.1383	.1397
29	.1198	.1210	.1223	.1235	.1248	.1260	.1273	.1285
30	.1094	.1105	.1116	.1128	.1139	.1151	.1162	.1173

For method of using this table, see page 230

WEIGHTS OF GALVANIZED SHEETS

Gauge	WIDTH IN INCHES							
	26	26¼	26½	26¾	27	27¼	27½	27¾
10	1.0438	1.0538	1.0639	1.0739	1.0839	1.0940	1.1040	1.1140
11	.9309	.9399	.9488	.9578	.9667	.9757	.9847	.9936
12	.8181	.8260	.8338	.8417	.8496	.8574	.8653	.8732
13	.7053	.7120	.7188	.7256	.7324	.7392	.7459	.7527
14	.5924	.5981	.6038	.6095	.6152	.6209	.6266	.6323
15	.5361	.5412	.5464	.5515	.5567	.5618	.5670	.5721
16	.4796	.4842	.4888	.4934	.4980	.5026	.5072	.5118
17	.4344	.4386	.4428	.4469	.4511	.4553	.4595	.4637
18	.3893	.3930	.3968	.4005	.4043	.4080	.4117	.4155
19	.3441	.3474	.3508	.3541	.3574	.3607	.3640	.3673
20	.2990	.3019	.3048	.3076	.3105	.3134	.3163	.3191
21	.2764	.2791	.2817	.2844	.2871	.2897	.2924	.2950
22	.2539	.2563	.2587	.2612	.2636	.2661	.2685	.2710
23	.2313	.2335	.2357	.2380	.2402	.2424	.2446	.2469
24	.2087	.2107	.2127	.2147	.2167	.2188	.2208	.2228
25	.1861	.1879	.1897	.1915	.1933	.1951	.1969	.1987
26	.1636	.1652	.1668	.1683	.1699	.1715	.1731	.1746
27	.1523	.1538	.1553	.1567	.1582	.1597	.1611	.1626
28	.1411	.1424	.1438	.1451	.1465	.1478	.1492	.1505
29	.1298	.1310	.1323	.1335	.1348	.1360	.1372	.1385
30	.1185	.1196	.1208	.1219	.1230	.1242	.1253	.1265

Gauge	WIDTH IN INCHES							
	28	28¼	28½	28¾	29	29¼	29½	29¾
10	1.1241	1.1341	1.1442	1.1542	1.1642	1.1743	1.1843	1.1943
11	1.0026	1.0115	1.0205	1.0294	1.0384	1.0473	1.0563	1.0652
12	.8810	.8889	.8968	.9046	.9125	.9204	.9282	.9361
13	.7595	.7663	.7731	.7798	.7866	.7934	.8002	.8070
14	.6380	.6437	.6494	.6551	.6608	.6665	.6722	.6778
15	.5773	.5825	.5876	.5928	.5979	.6031	.6082	.6134
16	.5164	.5211	.5257	.5303	.5349	.5395	.5441	.5487
17	.4678	.4720	.4762	.4804	.4845	.4887	.4929	.4971
18	.4192	.4230	.4267	.4305	.4342	.4379	.4417	.4454
19	.3706	.3739	.3772	.3805	.3838	.3872	.3905	.3938
20	.3220	.3249	.3278	.3306	.3335	.3364	.3393	.3421
21	.2977	.3004	.3030	.3057	.3083	.3110	.3136	.3163
22	.2734	.2758	.2783	.2807	.2832	.2856	.2880	.2905
23	.2491	.2513	.2535	.2557	.2580	.2602	.2624	.2646
24	.2248	.2268	.2288	.2308	.2328	.2348	.2368	.2388
25	.2005	.2023	.2040	.2058	.2076	.2094	.2112	.2130
26	.1762	.1778	.1794	.1809	.1825	.1841	.1856	.1872
27	.1641	.1655	.1670	.1685	.1699	.1714	.1728	.1743
28	.1519	.1533	.1546	.1560	.1573	.1587	.1600	.1614
29	.1397	.1410	.1422	.1435	.1447	.1460	.1472	.1485
30	.1276	.1287	.1299	.1310	.1321	.1333	.1344	.1356

For method of using this table, see page 230

BRIER HILL

WEIGHTS OF GALVANIZED SHEETS

Gauge	WIDTH IN INCHES							
	30	30¼	30½	30¾	31	31¼	31½	31¾
10	1.2044	1.2144	1.2244	1.2345	1.2445	1.2546	1.2646	1.2746
11	1.0742	1.0831	1.0921	1.1010	1.1100	1.1189	1.1279	1.1368
12	.9440	.9518	.9597	.9676	.9754	.9833	.9912	.9990
13	.8138	.8205	.8273	.8341	.8409	.8477	.8544	.8612
14	.6835	.6892	.6949	.7006	.7063	.7120	.7177	.7234
15	.6185	.6237	.6288	.6340	.6392	.6443	.6495	.6546
16	.5533	.5579	.5626	.5672	.5718	.5764	.5810	.5856
17	.5013	.5054	.5096	.5138	.5180	.5221	.5263	.5305
18	.4492	.4529	.4567	.4604	.4641	.4679	.4716	.4754
19	.3971	.4004	.4037	.4070	.4103	.4136	.4169	.4202
20	.3450	.3479	.3508	.3536	.3565	.3594	.3623	.3651
21	.3190	.3216	.3243	.3269	.3296	.3323	.3349	.3376
22	.2929	.2954	.2978	.3002	.3027	.3051	.3076	.3100
23	.2669	.2691	.2713	.2735	.2758	.2780	.2802	.2824
24	.2408	.2428	.2448	.2468	.2489	.2509	.2529	.2549
25	.2148	.2166	.2184	.2202	.2219	.2237	.2255	.2273
26	.1888	.1904	.1919	.1935	.1951	.1967	.1982	.1998
27	.1758	.1772	.1787	.1802	.1816	.1831	.1846	.1860
28	.1628	.1641	.1655	.1668	.1682	.1695	.1709	.1723
29	.1497	.1510	.1522	.1535	.1547	.1560	.1572	.1585
30	.1367	.1378	.1390	.1401	.1413	.1424	.1435	.1447
Gauge	WIDTH IN INCHES							
	32	32¼	32½	32¾	33	33¼	33½	33¾
10	1.2847	1.2947	1.3047	1.3148	1.3248	1.3348	1.3449	1.3549
11	1.1458	1.1547	1.1637	1.1726	1.1816	1.1905	1.1995	1.2084
12	1.0069	1.0148	1.0226	1.0305	1.0384	1.0462	1.0541	1.0620
13	.8680	.8748	.8816	.8884	.8951	.9019	.9087	.9155
14	.7291	.7348	.7405	.7462	.7519	.7576	.7633	.7690
15	.6598	.6649	.6701	.6752	.6804	.6855	.6907	.6959
16	.5902	.5948	.5994	.6041	.6087	.6133	.6179	.6225
17	.5347	.5388	.5430	.5472	.5514	.5556	.5597	.5639
18	.4791	.4829	.4866	.4903	.4941	.4978	.5016	.5053
19	.4236	.4269	.4302	.4335	.4368	.4401	.4434	.4467
20	.3680	.3709	.3738	.3766	.3795	.3824	.3853	.3881
21	.3402	.3429	.3455	.3482	.3509	.3535	.3562	.3588
22	.3124	.3149	.3173	.3198	.3222	.3247	.3271	.3295
23	.2847	.2869	.2891	.2913	.2936	.2958	.2980	.3002
24	.2569	.2589	.2609	.2629	.2649	.2669	.2689	.2709
25	.2291	.2309	.2327	.2345	.2363	.2381	.2398	.2416
26	.2014	.2030	.2045	.2061	.2077	.2092	.2108	.2124
27	.1875	.1890	.1904	.1919	.1934	.1948	.1963	.1977
28	.1736	.1750	.1763	.1777	.1790	.1804	.1817	.1831
29	.1597	.1610	.1622	.1634	.1647	.1659	.1672	.1684
30	.1458	.1470	.1481	.1492	.1504	.1515	.1527	.1538

For method of using this table, see page 230

WEIGHTS OF GALVANIZED SHEETS

Gauge	WIDTH IN INCHES							
	34	34¼	34½	34¾	35	35¼	35½	35¾
10	1.3650	1.3750	1.3850	1.3951	1.4051	1.4151	1.4252	1.4352
11	1.2174	1.2263	1.2353	1.2442	1.2532	1.2621	1.2711	1.2800
12	1.0698	1.0777	1.0855	1.0934	1.1013	1.1091	1.1170	1.1249
13	.9223	.9290	.9358	.9426	.9494	.9562	.9629	.9697
14	.7747	.7804	.7861	.7918	.7975	.8032	.8089	.8146
15	.7010	.7062	.7113	.7165	.7216	.7268	.7319	.7371
16	.6271	.6317	.6363	.6409	.6456	.6502	.6548	.6594
17	.5681	.5723	.5764	.5806	.5848	.5890	.5931	.5973
18	.5091	.5128	.5165	.5203	.5240	.5278	.5315	.5353
19	.4500	.4533	.4566	.4600	.4633	.4666	.4699	.4732
20	.3910	.3939	.3968	.3996	.4025	.4054	.4083	.4111
21	.3615	.3641	.3668	.3695	.3721	.3748	.3774	.3801
22	.3320	.3344	.3369	.3393	.3417	.3442	.3466	.3491
23	.3025	.3047	.3069	.3091	.3113	.3136	.3158	.3180
24	.2729	.2749	.2770	.2790	.2810	.2830	.2850	.2870
25	.2434	.2452	.2470	.2488	.2506	.2524	.2542	.2560
26	.2140	.2155	.2171	.2187	.2203	.2218	.2234	.2250
27	.1992	.2007	.2021	.2036	.2051	.2065	.2080	.2095
28	.1845	.1858	.1872	.1885	.1899	.1912	.1926	.1940
29	.1697	.1709	.1722	.1734	.1747	.1759	.1772	.1784
30	.1549	.1561	.1572	.1583	.1595	.1606	.1618	.1629

Gauge	WIDTH IN INCHES							
	36	36¼	36½	36¾	37	37¼	37½	37¾
10	1.4452	1.4553	1.4653	1.4754	1.4854	1.4954	1.5055	1.5155
11	1.2890	1.2980	1.3069	1.3159	1.3248	1.3338	1.3427	1.3517
12	1.1327	1.1406	1.1485	1.1563	1.1642	1.1721	1.1799	1.1878
13	.9765	.9833	.9901	.9969	1.0036	1.0104	1.0172	1.0240
14	.8203	.8259	.8316	.8373	.8430	.8487	.8544	.8601
15	.7422	.7474	.7526	.7577	.7629	.7680	.7732	.7783
16	.6640	.6686	.6732	.6778	.6824	.6871	.6917	.6963
17	.6015	.6057	.6099	.6140	.6182	.6224	.6266	.6307
18	.5390	.5427	.5465	.5502	.5540	.5577	.5615	.5652
19	.4765	.4798	.4831	.4864	.4897	.4930	.4964	.4997
20	.4140	.4169	.4198	.4226	.4255	.4284	.4313	.4341
21	.3828	.3854	.3881	.3907	.3934	.3960	.3987	.4014
22	.3515	.3539	.3564	.3588	.3613	.3637	.3662	.3686
23	.3202	.3225	.3247	.3269	.3291	.3314	.3336	.3358
24	.2890	.2910	.2930	.2950	.2970	.2990	.3010	.3030
25	.2577	.2595	.2613	.2631	.2649	.2667	.2685	.2703
26	.2266							
27	.2109							
28	.1953							
29	.1797							
30	.1640							

For method of using this table, see page 230

BRIER HILL

WEIGHTS OF GALVANIZED SHEETS

Gauge	WIDTH IN INCHES							
	38	38¼	38½	38¾	39	39¼	39½	39¾
10	1.5255	1.5356	1.5456	1.5556	1.5657	1.5757	1.5858	1.5958
11	1.3606	1.3696	1.3785	1.3875	1.3964	1.4054	1.4143	1.4233
12	1.1957	1.2035	1.2114	1.2193	1.2271	1.2350	1.2429	1.2507
13	1.0308	1.0375	1.0443	1.0511	1.0579	1.0647	1.0714	1.0782
14	.8658	.8715	.8772	.8829	.8886	.8943	.9000	.9057
15	.7835	.7886	.7938	.7989	.8041	.8093	.8144	.8196
16	.7009	.7055	.7101	.7147	.7193	.7239	.7286	.7332
17	.6349	.6391	.6433	.6475	.6516	.6558	.6600	.6642
18	.5690	.5727	.5764	.5802	.5839	.5877	.5914	.5952
19	.5030	.5063	.5096	.5129	.5162	.5195	.5228	.5261
20	.4370	.4399	.4428	.4456	.4485	.4514	.4543	.4571
21	.4040	.4067	.4093	.4120	.4146	.4173	.4200	.4226
22	.3710	.3735	.3759	.3784	.3808	.3832	.3857	.3881
23	.3380	.3403	.3425	.3447	.3469	.3492	.3514	.3536
24	.3050	.3071	.3091	.3111	.3131	.3151	.3171	.3191
25	.2721	.2739	.2756	.2774	.2792	.2810	.2828	.2846
26								
27								
28								
29								
30								

Gauge	WIDTH IN INCHES							
	40	40¼	40½	40¾	41	41¼	41½	41¾
10	1.6058	1.6159	1.6259	1.6359	1.6460	1.6560	1.6661	1.6761
11	1.4322	1.4412	1.4501	1.4591	1.4680	1.4770	1.4859	1.4949
12	1.2586	1.2665	1.2743	1.2822	1.2901	1.2979	1.3058	1.3137
13	1.0850	1.0918	1.0986	1.1054	1.1121	1.1189	1.1257	1.1325
14	.9114	.9171	.9228	.9285	.9342	.9399	.9456	.9513
15	.8247	.8299	.8350	.8402	.8453	.8505	.8556	.8608
16	.7378	.7424	.7470	.7516	.7562	.7608	.7654	.7701
17	.6683	.6725	.6767	.6809	.6850	.6892	.6934	.6976
18	.5989	.6026	.6064	.6101	.6139	.6176	.6214	.6251
19	.5294	.5327	.5361	.5394	.5427	.5460	.5493	.5526
20	.4600	.4629	.4658	.4686	.4715	.4744	.4773	.4801
21	.4253	.4279	.4306	.4333	.4359	.4386	.4412	.4439
22	.3906	.3930	.3954	.3979	.4003	.4028	.4052	.4076
23	.3558	.3580	.3603	.3625	.3647	.3669	.3692	.3714
24	.3211	.3231	.3251	.3271	.3291	.3311	.3331	.3352
25	.2864	.2882	.2900	.2918	.2935	.2953	.2971	.2989
26								
27								
28								
29								
30								

For method of using this table, see page 230

WEIGHTS OF GALVANIZED SHEETS

Gauge	WIDTH IN INCHES							
	42	42¼	42½	42¾	43	43¼	43½	43¾
10	1.6861	1.6962	1.7062	1.7162	1.7263	1.7363	1.7463	1.7564
11	1.5038	1.5128	1.5217	1.5307	1.5396	1.5486	1.5575	1.5665
12	1.3215	1.3294	1.3373	1.3451	1.3530	1.3609	1.3687	1.3766
13	1.1393	1.1460	1.1528	1.1596	1.1664	1.1732	1.1799	1.1867
14	.9570	.9627	.9684	.9741	.9797	.9854	.9911	.9968
15	.8660	.8711	.8763	.8814	.8866	.8917	.8969	.9020
16	.7747	.7793	.7839	.7885	.7931	.7977	.8023	.8069
17	.7018	.7059	.7101	.7143	.7185	.7226	.7268	.7310
18	.6288	.6326	.6363	.6401	.6438	.6476	.6513	.6550
19	.5559	.5592	.5625	.5658	.5691	.5725	.5758	.5791
20	.4830	.4859	.4888	.4916	.4945	.4974	.5003	.5031
21	.4465	.4492	.4519	.4545	.4572	.4598	.4625	.4652
22	.4101	.4125	.4150	.4174	.4199	.4223	.4247	.4272
23	.3736	.3758	.3781	.3803	.3825	.3847	.3870	.3892
24	.3372	.3392	.3412	.3432	.3452	.3472	.3492	.3512
25	.3007	.3025	.3043	.3061	.3079	.3097	.3114	.3132
26								
27								
28								
29								
30								

Gauge	WIDTH IN INCHES							
	44	44¼	44½	44¾	45	45¼	45½	45¾
10	1.7664	1.7765	1.7865	1.7965	1.8066	1.8166	1.8266	1.8367
11	1.5754	1.5844	1.5933	1.6023	1.6112	1.6202	1.6292	1.6381
12	1.3845	1.3923	1.4002	1.4081	1.4159	1.4238	1.4317	1.4395
13	1.1935	1.2003	1.2071	1.2139	1.2206	1.2274	1.2342	1.2410
14	1.0025	1.0082	1.0139	1.0196	1.0253	1.0310	1.0367	1.0424
15	.9072	.9123	.9175	.9227	.9278	.9330	.9381	.9433
16	.8116	.8162	.8208	.8254	.8300	.8346	.8392	.8438
17	.7352	.7393	.7435	.7477	.7519	.7561	.7602	.7644
18	.6588	.6625	.6663	.6700	.6738	.6775	.6812	.6850
19	.5824	.5857	.5890	.5923	.5956	.5989	.6022	.6055
20	.5060	.5089	.5118	.5146	.5175	.5204	.5233	.5261
21	.4678	.4705	.4731	.4758	.4784	.4811	.4838	.4864
22	.4296	.4321	.4345	.4369	.4394	.4418	.4443	.4467
23	.3914	.3936	.3959	.3981	.4003	.4025	.4047	.4070
24	.3532	.3552	.3572	.3592	.3612	.3632	.3653	.3673
25	.3150							
26								
27								
28								
29								
30								

For method of using this table, see page 230

WEIGHTS OF GALVANIZED SHEETS

Gauge	WIDTH IN INCHES							
	46	46¼	46½	46¾	47	47¼	47½	47¾
10	1.8467	1.8567	1.8668	1.8768	1.8869	1.8969	1.9069	1.9170
11	1.6471	1.6560	1.6650	1.6739	1.6829	1.6918	1.7008	1.7097
12	1.4474	1.4553	1.4631	1.4710	1.4789	1.4867	1.4946	1.5025
13	1.2478	1.2545	1.2613	1.2681	1.2749	1.2817	1.2884	1.2952
14	1.0481	1.0538	1.0595	1.0652	1.0709	1.0766	1.0823	1.0880
15	.9484	.9536	.9587	.9639	.9690	.9742	.9794	.9845
16	.8484	.8531	.8577	.8623	.8669	.8715	.8761	.8807
17	.7686	.7728	.7769	.7811	.7853	.7895	.7936	.7978
18	.6887	.6925	.6962	.7000	.7037	.7074	.7112	.7149
19	.6089	.6122	.6155	.6188	.6221	.6254	.6287	.6320
20	.5290	.5319	.5348	.5376	.5405	.5434	.5463	.5491
21	.4891	.4917	.4944	.4970	.4997	.5024	.5050	.5077
22	.4491	.4516	.4540	.4565	.4589	.4613	.4638	.4662
23	.4092	.4114	.4136	.4159	.4181	.4203	.4225	.4248
24	.3693	.3713	.3733	.3753	.3773	.3793	.3813	.3833
25								
26								
27								
28								
29								
30								

Gauge	WIDTH IN INCHES							
	48	48¼	48½	48¾	49	49¼	49½	49¾
10	1.9270	1.9370	1.9471	1.9571	1.9671	1.9772	1.9872	1.9973
11	1.7187	1.7276	1.7366	1.7455	1.7545	1.7634	1.7724	1.7813
12	1.5103	1.5182	1.5261	1.5339	1.5418	1.5497	1.5575	1.5654
13	1.3020	1.3088	1.3156	1.3224	1.3291	1.3359	1.3427	1.3495
14	1.0937	1.0994	1.1051	1.1108	1.1165	1.1222	1.1278	1.1335
15	.9897	.9948	1.0000	1.0051	1.0103	1.0154	1.0206	1.0257
16	.8853	.8899	.8946	.8992	.9038	.9084	.9130	.9176
17	.8020	.8062	.8104	.8145	.8187	.8229	.8271	.8312
18	.7187	.7224	.7262	.7299	.7336	.7374	.7411	.7449
19	.6353	.6386	.6419	.6453	.6486	.6519	.6552	.6585
20	.5520	.5549	.5578	.5606	.5635	.5664	.5693	.5721
21	.5103							
22	.4687							
23	.4270							
24	.3853							
25								
26								
27								
28								
29								
30								

For method of using this table, see page 230

BLACK SHEET BUNDLING TABLE

GAUGES				10				11				12			
Wt. per sq. ft. (oz.)				90.				80.				70.			
Wt. per sq. ft. (lbs.)				5.625				5.				4.375			
Size of Sheet Inches	Weight of Sheet	Number of Sheets	Weight of Bundle	Weight of Sheet	Number of Sheets	Weight of Bundle	Weight of Sheet	Number of Sheets	Weight of Bundle	Square Feet per Sheet					
24 x 72	67.5	2	135	60.	3	180	52.5	3	157	12.					
26 x 72	73.13	2	146	65.	2	130	56.88	3	171	13.					
28 x 72	78.75	2	157	70.	2	140	61.25	2	122	14.					
30 x 72	84.38	2	169	75.	2	150	65.63	2	131	15.					
36 x 72	101.25	..	....	90.	2	180	78.75	2	157	18.			
24 x 84	78.75	2	157	70.	2	140	61.25	2	122	14.					
26 x 84	85.31	2	171	75.83	2	152	66.35	2	133	15.16					
28 x 84	91.88	2	184	81.67	2	163	71.46	2	143	16.33					
30 x 84	98.44	..	....	87.5	2	175	76.56	2	153	17.50			
36 x 84	118.13	..	....	105.	..	....	91.88	2	184	21.	
24 x 96	90.	2	180	80.	2	160	70.	2	140	16.					
26 x 96	97.5	2	195	86.67	2	173	75.83	2	152	17.33					
28 x 96	105.	..	....	93.33	2	187	81.67	2	163	18.66			
30 x 96	112.5	..	....	100.	..	....	87.5	2	175	20.	
36 x 96	135.	..	....	120.	..	....	105.	..	....	24.
24 x 101	94.69	..	...	84.17	2	168	73.65	2	147	16.83			
26 x 101	102.58	..	...	91.18	2	182	79.78	2	159	18.24			
28 x 101	110.47	..	...	98.19	2	196	85.92	2	172	19.64			
30 x 101	118.36	..	...	105.21	..	...	92.06	2	184	21.04	
36 x 101	142.03	..	...	126.25	..	...	110.47	..	...	25.25
24 x 108	101.25	..	...	90.	2	180	78.75	2	157	18.			
26 x 108	109.69	..	...	97.5	2	195	85.31	2	171	19.5			
28 x 108	118.13	..	...	105.	..	...	91.88	2	184	21.	
30 x 108	126.56	..	...	112.5	..	...	98.44	..	...	22.5
36 x 108	151.88	..	...	135.	..	...	118.13	..	...	27.
24 x 120	112.5	..	...	100.	..	...	87.5	2	175	20.	
26 x 120	121.88	..	...	108.33	..	...	94.79	2	198	21.66	
28 x 120	131.25	..	...	116.67	..	...	102.08	...	...	23.33
30 x 120	140.63	..	...	125.	..	...	109.38	..	...	25.
36 x 120	168.75	..	...	150.	..	...	131.25	..	...	30.

WEIGHTS OF BANDS USED IN BUNDLING BLACK SHEETS

Width of sheet, inches	24	26	28	30	36
Weight of one band in pounds	Black	.918	.986	1.054	1.122
	Galvanized	.972	1.043	1.116	1.188
					1.326
					1.404

NOTE.—It is impossible to make every sheet weigh exactly standard weight. For this reason, Congressional Law allows a 2½% variation above or below standard in the weight of black sheets of 17 gauge and lighter, and a 5% variation in 16 gauge and heavier.

BLACK SHEET BUNDLING TABLE—CONTINUED

GAUGES				13				14				15				
Wt. per sq. ft. (oz.)				60.				50.				42.4				
Wt. per sq. ft. (lbs.)				3.75				3.125				2.65				
Size of Sheet Inches	Weight of Sheet	Number of Sheets	Weight of Bundle	Weight of Sheet	Number of Sheets	Weight of Bundle	Weight of Sheet	Number of Sheets	Weight of Bundle	Weight of Sheet	Number of Sheets	Weight of Bundle	Square Feet per Sheet			
24 x 72	45.	3	135	37.5	4	150	33.75	4	135	33.75	4	135	12.			
26 x 72	48.75	3	146	40.63	4	162	36.56	4	146	36.56	4	146	13.			
28 x 72	52.5	3	157	43.75	3	131	39.37	4	157	39.37	4	157	14.			
30 x 72	56.25	3	169	46.88	3	141	42.19	4	169	42.19	4	169	15.			
36 x 72	67.5	2	135	56.25	3	169	50.63	3	152	50.63	3	152	18.			
24 x 84	52.5	3	157	43.75	3	131	39.38	4	157	39.38	4	157	14.			
26 x 84	56.88	3	171	47.4	3	142	42.66	3	128	42.66	3	128	15.16			
28 x 84	61.25	2	122	51.04	3	153	45.94	3	138	45.94	3	138	16.33			
30 x 84	65.63	2	131	54.69	3	164	49.22	3	148	49.22	3	148	17.50			
36 x 84	78.75	2	157	65.63	2	131	59.06	2	118	59.06	2	118	21.			
24 x 96	60.	2	120	50.	3	150	45.	3	135	45.	3	135	16.			
26 x 96	65.	2	130	54.17	3	162	48.75	3	146	48.75	3	146	17.33			
28 x 96	70.	2	140	58.33	3	175	52.5	3	157	52.5	3	157	18.66			
30 x 96	75.	2	150	62.5	2	125	56.25	3	169	56.25	3	169	20.			
36 x 96	90.	2	180	75.	2	150	67.5	2	135	67.5	2	135	24.			
24 x 101	63.13	2	126	52.6	3	158	47.34	3	142	47.34	3	142	16.83			
26 x 101	68.39	2	137	57.	3	171	51.29	3	154	51.29	3	154	18.24			
28 x 101	73.65	2	147	61.37	2	123	55.23	3	166	55.23	3	166	19.64			
30 x 101	78.91	2	158	65.76	2	131	59.18	2	118	59.18	2	118	21.04			
36 x 101	94.69	2	189	78.91	2	158	71.01	2	142	71.01	2	142	25.25			
24 x 108	67.5	2	135	56.25	3	169	50.63	3	152	50.63	3	152	18.			
26 x 108	73.13	2	146	60.94	2	122	54.84	3	164	54.84	3	164	19.5			
28 x 108	78.75	2	157	65.63	2	131	59.06	3	177	59.06	3	177	21.			
30 x 108	84.38	2	169	70.31	2	141	63.28	2	126	63.28	2	126	22.5			
36 x 108	101.25	..	...	84.38	2	169	75.94	2	152	75.94	2	152	27.	
24 x 120	75.	2	150	62.5	2	125	56.25	3	169	56.25	3	169	20.			
26 x 120	81.25	2	162	67.71	2	135	60.94	2	122	60.94	2	122	21.66			
28 x 120	87.5	2	175	72.92	2	146	65.63	2	131	65.63	2	131	23.33			
30 x 120	93.75	2	187	78.13	2	156	70.31	2	141	70.31	2	141	25.			
36 x 120	112.5	..	...	93.75	2	187	84.38	2	169	84.38	2	169	30.	

WEIGHTS OF BANDS USED IN BUNDLING BLACK SHEETS

Width of sheet, inches	24	26	28	30	36
Weight of one band in pounds					
Black	.918	.986	1.054	1.122	1.326
Galvanized	.972	1.043	1.116	1.188	1.404

NOTE.—It is impossible to make every sheet weigh exactly standard weight. For this reason, Congressional Law allows a 2½% variation above or below standard in the weight of black sheets of 17 gauge and lighter, and a 5% variation in 16 gauge and heavier.

BLACK SHEET BUNDLING TABLE—CONTINUED

GAUGES 16				17			18			
Wt. per sq. ft. (oz) 40.				36.			32.			
Wt. per sq. ft. (lbs.) 2.5				2.25			2.			
Size of Sheet Inches	Weight of Sheet	Number of Sheets	Weight of Bundle	Weight of Sheet	Number of Sheets	Weight of Bundle	Weight of Sheet	Number of Sheets	Weight of Bundle	Square Feet per Sheet
24 x 72	30.	5	150	27.	6	162	24.	6	144	12.
26 x 72	32.5	5	162	29.25	5	146	26.	6	156	13.
28 x 72	35.	4	140	31.5	5	157	28.	5	140	14.
30 x 72	37.5	4	150	33.75	4	135	30.	5	150	15.
36 x 72	45.	3	135	40.5	4	162	36.	4	144	18.
24 x 84	35.	4	140	31.5	5	157	28.	5	140	14.
26 x 84	37.92	4	152	34.13	4	136	30.33	5	152	15.16
28 x 84	40.83	4	163	36.75	4	147	32.67	5	163	16.33
30 x 84	43.75	3	131	39.38	4	157	35.	4	140	17.50
36 x 84	52.5	3	157	47.25	3	142	42.	4	168	21.
24 x 96	40.	4	160	36.	4	144	32.	5	160	16.
26 x 96	43.33	3	130	39.	4	156	34.67	4	139	17.33
28 x 96	46.67	3	140	42.	4	168	37.33	4	149	18.66
30 x 96	50.	3	150	45.	3	135	40.	4	160	20.
36 x 96	60.	2	120	54.	3	162	48.	3	144	24.
24 x 101	42.08	4	168	37.88	4	151	33.67	4	135	16.83
26 x 101	45.59	3	137	41.03	4	164	36.47	4	146	18.24
28 x 101	49.09	3	147	44.19	3	132	39.28	4	157	19.64
30 x 101	52.6	3	158	47.34	3	142	42.08	4	168	21.04
36 x 101	63.13	2	126	56.81	3	170	50.5	3	151	25.25
24 x 108	45.	3	135	40.5	4	162	36.	4	144	18.
26 x 108	48.75	3	146	43.88	3	132	39.	4	156	19.5
28 x 108	52.5	3	157	47.25	3	142	42.	4	168	21.
30 x 108	56.25	3	169	50.63	3	152	45.	3	135	22.5
36 x 108	67.5	2	135	60.75	2	121	54.	3	162	27.
24 x 120	50.	3	150	45.	3	135	40.	4	160	20.
26 x 120	54.17	3	162	48.75	3	146	43.33	3	130	21.66
28 x 120	58.33	3	175	52.5	3	157	46.67	3	140	23.33
30 x 120	62.5	2	125	56.25	3	169	50.	3	150	25.
36 x 120	75.	2	150	67.5	2	135	60.	2	120	30.

WEIGHTS OF BANDS USED IN BUNDLING BLACK SHEETS

Width of sheet, inches		24	26	28	30	36
Weight of one band in pounds }	Black . . . . .	.918	.986	1.054	1.122	1.326
	Galvanized . . . . .	.972	1.043	1.116	1.188	1.404

NOTE.—It is impossible to make every sheet weigh exactly standard weight. For this reason, Congressional Law allows a 2½% variation above or below standard in the weight of black sheets of 17 gauge and lighter, and a 5% variation in 16 gauge and heavier.

BLACK SHEET BUNDLING TABLE—CONTINUED

GAUGES				19			20			21			
Wt. per sq. ft. (oz.)				28.				24.				21.5	
Wt. per sq. ft. (lbs.)				1.75				1.5				1.34	
Size of Sheet Inches	Weight of Sheet	Number of Sheets	Weight of Bundle	Weight of Sheet	Number of Sheets	Weight of Bundle	Weight of Sheet	Number of Sheets	Weight of Bundle	Weight of Sheet	Number of Sheets	Weight of Bundle	Square Feet per Sheet
24 x 72	21.	7	147	18.	8	144	16.5	9	148	12.			
26 x 72	22.75	7	159	19.5	8	156	17.88	8	143	13.			
28 x 72	24.5	6	147	21.	7	147	19.25	8	154	14.			
30 x 72	26.25	6	157	22.5	7	157	20.63	7	144	15.			
36 x 72	35.	5	157	27.	5	135	24.75	6	148	18.			
24 x 84	24.5	6	147	21.	7	147	19.25	8	154	14.			
26 x 84	26.54	6	159	22.75	7	159	20.85	7	146	15.16			
28 x 84	28.58	5	143	24.5	6	147	22.46	7	157	16.33			
30 x 84	30.63	5	153	26.25	6	157	24.06	6	144	17.50			
36 x 84	36.75	4	147	31.5	5	157	28.88	5	144	21.			
24 x 96	28.	5	140	24.	6	144	22.	7	154	16.			
26 x 96	30.33	5	152	26.	6	156	23.83	6	143	17.33			
28 x 96	32.67	5	163	28.	5	140	25.67	6	154	18.66			
30 x 96	35.	4	140	30.	5	150	27.5	6	165	20.			
36 x 96	42.	4	168	36.	4	144	33.	5	165	24.			
24 x 101	29.46	5	147	25.25	6	151	23.15	6	139	16.83			
26 x 101	31.92	5	160	27.35	5	137	25.08	6	150	18.24			
28 x 101	34.37	4	137	29.46	5	147	27.01	6	162	19.64			
30 x 101	36.83	4	147	31.56	5	158	28.94	5	145	21.04			
36 x 101	44.19	3	132	37.88	4	151	34.72	4	139	25.25			
24 x 108	31.5	5	157	27.	5	135	24.75	6	148	18.			
26 x 108	34.13	4	136	29.25	5	146	26.81	6	161	19.5			
28 x 108	36.75	4	147	31.5	5	157	28.87	5	144	21.			
30 x 108	39.38	4	157	33.75	4	135	30.94	5	155	22.5			
36 x 108	47.25	3	142	40.5	4	162	37.13	4	148	27.			
24 x 120	35.	4	140	30.	5	150	27.5	5	137	20.			
26 x 120	37.92	4	152	32.5	5	162	29.79	5	149	21.66			
28 x 120	40.83	4	163	35.	4	140	32.08	5	160	23.33			
30 x 120	43.75	3	131	37.5	4	150	34.37	4	137	25.			
36 x 120	52.5	3	157	45.	3	135	41.20	4	165	30.			

WEIGHTS OF BANDS USED IN BUNDLING BLACK SHEETS

Width of sheet, inches	24	26	28	30	36
Weight of one band in pounds					
{ Black	.918	.986	1.054	1.122	1.326
{ Galvanized	.972	1.043	1.116	1.188	1.404

NOTE.—It is impossible to make every sheet weigh exactly standard weight. For this reason, Congressional Law allows a 2½% variation above or below standard in the weight of black sheets of 17 gauge and lighter, and a 5% variation in 16 gauge and heavier.

BLACK SHEET BUNDLING TABLE—CONTINUED

GAUGES 22				23			24			
Wt. per sq. ft. (oz.) 20.		20.		18.			16.			
Wt. per sq. ft. (lbs.) 1.25		1.25		1.125			1.			
Size of Sheet Inches	Weight of Sheet	Number of Sheets	Weight of Bundle	Weight of Sheet	Number of Sheets	Weight of Bundle	Weight of Sheet	Number of Sheets	Weight of Bundle	Square Feet per Sheet
24 x 72	15.	10	150	13.5	11	148	12.	12	144	12.
26 x 72	16.25	9	146	14.63	10	146	13.	11	143	13.
28 x 72	17.5	8	140	15.75	9	142	14.	11	154	14.
30 x 72	18.75	8	150	16.88	9	152	15.	10	150	15.
36 x 72	22.5	7	157	20.25	7	142	18.	8	144	18.
24 x 84	17.5	8	140	15.75	9	142	14.	11	154	14.
26 x 84	18.96	8	152	17.06	9	153	15.16	10	152	15.16
28 x 84	20.42	7	143	18.37	8	147	16.33	9	147	16.33
30 x 84	21.88	7	153	19.69	8	157	17.5	8	140	17.50
36 x 84	26.25	6	157	23.63	6	142	21.	7	147	21.
24 x 96	20.	7	140	18.	8	144	16.	9	144	16.
26 x 96	21.67	7	152	19.5	8	156	17.33	9	156	17.33
28 x 96	23.33	6	140	21.	7	147	18.67	8	149	18.66
30 x 96	25.	6	150	22.5	7	157	20.	7	140	20.
36 x 96	30.	5	150	27.	6	162	24.	6	144	24.
24 x 101	21.04	7	147	18.94	8	151	16.83	9	151	16.83
26 x 101	22.79	7	159	20.51	7	143	18.24	8	146	18.24
28 x 101	24.55	6	147	22.09	7	155	19.64	8	157	19.64
30 x 101	26.3	6	158	23.67	6	142	21.04	7	147	21.04
36 x 101	31.56	5	158	28.41	5	142	25.25	6	151	25.25
24 x 108	22.5	7	157	20.25	7	142	18.	8	144	18.
26 x 108	24.37	6	146	21.94	7	153	19.5	8	156	19.5
28 x 108	26.25	6	157	23.62	6	142	21.	7	147	21.
30 x 108	28.12	5	141	25.31	6	152	22.5	7	157	22.5
36 x 108	33.75	5	169	30.38	5	152	27.	6	162	27.
24 x 120	25.	6	150	22.5	7	157	20.	7	140	20.
26 x 120	27.08	6	162	24.37	6	146	21.67	7	152	21.66
28 x 120	29.17	5	146	26.25	6	157	23.33	6	140	23.33
30 x 120	31.25	5	156	28.12	5	141	25.	6	150	25.
36 x 120	37.5	4	150	33.75	5	169	30.	5	150	30.

WEIGHTS OF BANDS USED IN BUNDLING BLACK SHEETS

Width of sheet, inches	24	26	28	30	36
Weight of one band in pounds	Black . . . . .	.918	.986	1.054	1.122
	Galvanized . . . .	.972	1.043	1.116	1.188

NOTE.—It is impossible to make every sheet weigh exactly standard weight. For this reason, Congressional Law allows a $2\frac{1}{2}\%$ variation above or below standard in the weight of black sheets of 17 gauge and lighter, and a 5% variation in 16 gauge and heavier.

BLACK SHEET BUNDLING TABLE—CONTINUED

GAUGES 25				26			27			
Wt. per sq. ft. (oz.) 14.				12.			11.04			
Wt. per sq. ft. (lbs.) .875				.75			.69			
Size of Sheet Inches	Weight of Sheet	Number of Sheets	Weight of Bundle	Weight of Sheet	Number of Sheets	Weight of Bundle	Weight of Sheet	Number of Sheets	Weight of Bundle	Square Feet per Sheet
24 x 72	10.5	14	147	9.	16	144	8.25	18	148	12.
26 x 72	11.38	13	148	9.75	15	146	8.94	16	143	14.
28 x 72	12.25	12	147	10.5	14	147	9.63	16	154	14.
30 x 72	13.13	11	144	11.25	13	146	10.31	14	144	15.
36 x 72	15.75	9	142	13.5	11	148	12.38	12	148	18.
24 x 84	12.25	12	147	10.5	14	147	9.63	15	144	14.
26 x 84	13.27	11	146	11.38	13	148	10.43	14	146	15.16
28 x 84	14.29	10	143	12.25	12	147	11.23	13	146	16.33
30 x 84	15.31	10	153	13.13	11	144	12.03	12	144	17.50
36 x 84	18.38	8	147	15.75	9	142	14.44	10	144	21.
24 x 96	14.	10	140	12.	12	144	11.	13	143	16.
26 x 96	15.17	10	152	13.	11	143	11.92	12	143	17.33
28 x 96	16.33	9	147	14.	11	154	12.83	12	154	18.66
30 x 96	17.5	8	140	15.	10	150	13.75	11	151	20.
36 x 96	21.	7	147	18.	8	144	16.5	9	148	24.
24 x 101	14.73	10	147	12.63	12	151	11.57	12	139	16.83
26 x 101	15.96	9	144	13.68	11	150	12.54	12	150	18.24
28 x 101	17.19	9	155	14.73	10	147	13.5	11	148	19.64
30 x 101	18.41	8	147	15.78	9	142	14.47	10	145	21.04
36 x 101	22.1	7	155	18.94	8	151	17.36	9	156	25.25
24 x 108	15.75	9	142	13.5	11	148	12.38	12	148	18.
26 x 108	17.06	9	153	14.63	10	146	13.41	11	147	19.5
28 x 108	18.38	8	147	15.75	9	142	14.44	10	144	21.
30 x 108	19.69	8	157	16.88	9	152	15.47	10	155	22.5
36 x 108	23.63	6	142	20.25	7	142	18.56	8	148	27.
24 x 120	17.5	8	140	15.	10	150	13.75	11	151	20.
26 x 120	18.96	8	152	16.25	9	146	14.9	10	149	21.66
28 x 120	20.42	7	143	17.5	8	140	16.04	9	144	23.33
30 x 120	21.88	7	153	18.75	8	150	17.19	9	155	25.
36 x 120	26.25	6	157	22.5	7	157	20.63	8	165	30.

WEIGHTS OF BANDS USED IN BUNDLING BLACK SHEETS

Width of sheet, inches	24	26	28	30	36
Weight of one band in pounds {	Black . . . . .	.918	.986	1.054	1.326
	Galvanized . . . . .	.972	1.043	1.116	1.404

NOTE.—It is impossible to make every sheet weigh exactly standard weight. For this reason, Congressional Law allows a 2½% variation above or below standard in the weight of black sheets of 17 gauge and lighter, and a 5% variation in 16 gauge and heavier.

BLACK SHEET BUNDLING TABLE—CONCLUDED

GAUGES 28				29			30			
Wt. per sq. ft. (oz.) 10.				9.			8.			
Wt. per sq. ft. (lbs.) .625				.5625			.5			
Size of Sheet Inches	Weight of Sheet	Number of Sheets	Weight of Bundle	Weight of Sheet	Number of Sheets	Weight of Bundle	Weight of Sheet	Number of Sheets	Weight of Bundle	Square Feet per Sheet
24 x 72	7.5	20	150	6.75	22	148	6.	25	150	12.
26 x 72	8.13	18	146	7.31	20	146	6.5	23	149	13.
28 x 72	8.75	17	149	7.88	19	150	7.	21	147	14.
30 x 72	9.38	16	150	8.44	18	152	7.5	20	150	15.
36 x 72	11.25	13	146	10.13	15	152	9.	16	144	18.
24 x 84	8.75	17	149	7.88	19	150	7.	21	147	14.
26 x 84	9.48	16	152	8.53	17	145	7.58	19	144	15.16
28 x 84	10.21	14	143	9.19	16	147	8.17	19	155	16.33
30 x 84	10.94	14	153	9.84	15	148	8.75	17	149	17.50
36 x 84	13.13	11	144	11.81	13	153	10.5	14	147	21.
24 x 96	10.	15	150	9.	16	144	8.	18	144	16.
26 x 96	10.83	14	152	9.75	15	146	8.67	17	147	17.33
28 x 96	11.67	13	152	10.5	14	147	9.33	16	149	18.66
30 x 96	12.5	12	150	11.25	13	146	10.	15	150	20.
36 x 96	15.	10	150	13.5	11	148	12.	12	144	24.
24 x 101	10.52	14	147	9.47	16	151	8.42	18	151	16.83
26 x 101	11.4	13	148	10.26	14	144	9.12	16	146	18.24
28 x 101	12.27	12	147	11.05	13	144	9.82	15	147	19.64
30 x 101	13.15	11	145	11.84	12	142	10.52	14	147	21.04
36 x 101	15.78	9	142	14.2	10	142	12.62	12	151	25.25
24 x 108	11.25	13	146	10.13	15	152	9.	17	153	18.
26 x 108	12.19	12	146	10.97	14	153	9.75	15	146	19.5
28 x 108	13.13	11	144	11.81	13	153	10.5	15	157	21.
30 x 108	14.06	11	155	12.66	12	152	11.25	13	146	22.5
36 x 108	16.88	9	152	15.19	10	152	13.5	11	148	27.
24 x 120	12.5	12	150	11.25	13	146	10.	15	150	20.
26 x 120	13.54	11	149	12.19	12	146	10.83	14	152	21.66
28 x 120	14.58	10	146	13.13	11	144	11.67	14	163	23.33
30 x 120	15.63	10	156	14.06	11	155	12.5	12	150	25.
36 x 120	18.75	8	150	16.88	9	152	15.	10	150	30.

WEIGHTS OF BANDS USED IN BUNDLING BLACK SHEETS

Width of sheet, inches	24	26	28	30	36
Weight of one band in pounds {	Black . . . . .	.918	.986	1.054	1.122
	Galvanized . . . . .	.972	1.043	1.116	1.188
					1.404

NOTE.—It is impossible to make every sheet weigh exactly standard weight. For this reason, Congressional Law allows a 2½% variation above or below standard in the weight of black sheets of 17 gauge and lighter, and a 5% variation in 16 gauge and heavier.

GALVANIZED SHEET BUNDLING TABLE

FOR THICKNESSES OF GALVANIZED SHEETS, SEE PAGE 263

GAUGES		10		11			12			
Wt. per sq. ft. (oz.)		92.5		82.5			72.5			
Wt. per sq. ft. (lbs.)		5.781		5.156			4.531			
Size of Sheet Inches	Weight of Sheet	Number of Sheets	Weight of Bundle	Weight of Sheet	Number of Sheets	Weight of Bundle	Weight of Sheet	Number of Sheets	Weight of Bundle	Square Feet per Sheet
24 x 72	69.37	2	139	61.87	3	186	54.37	3	163	12.
26 x 72	75.16	2	150	67.03	2	134	58.91	3	177	13.
28 x 72	80.94	2	162	72.19	2	144	63.44	2	127	14.
30 x 72	86.72	2	173	77.34	2	155	67.97	2	136	15.
36 x 72	104.06	2	208	92.81	2	186	81.56	2	163	18.
24 x 84	80.94	2	162	72.19	2	144	63.44	2	127	14.
26 x 84	87.64	2	175	78.17	2	156	68.69	2	137	15.16
28 x 84	94.41	2	189	84.20	2	168	74.00	2	148	16.33
30 x 84	101.17	2	202	90.23	2	180	79.30	2	159	17.50
36 x 84	121.41	1	121	108.28	2	217	95.16	2	190	21.
24 x 96	92.50	2	185	82.50	2	165	72.50	2	145	16.
26 x 96	100.19	2	200	89.36	2	179	78.53	2	157	17.33
28 x 96	107.88	2	216	96.22	2	192	84.55	2	169	18.66
30 x 96	115.62	2	231	103.12	2	206	90.62	2	181	20.
36 x 96	138.75	1	139	123.75	1	124	108.75	1	109	24.
24 x 120	115.62	2	231	103.12	2	206	90.62	2	181	20.
26 x 120	125.22	1	125	111.68	1	112	98.15	2	196	21.66
28 x 120	134.88	1	135	120.30	1	120	105.71	2	211	23.33
30 x 120	144.53	1	145	128.91	1	129	113.28	1	113	25.
36 x 120	173.44	1	173	154.69	1	155	135.94	1	136	30.

WEIGHTS OF BANDS USED IN BUNDLING GALVANIZED SHEETS

Width of sheet, inches	24	26	28	30	36
Weight of one band in pounds {	Black . . . . .	.918	.986	1.054	1.122
	Galvanized . . . . .	.972	1.043	1.116	1.188
					1.404

NOTE.—It is impossible to make every sheet weigh exactly standard weight. For this reason, Congressional Law allows a 2½% variation above or below standard in the weight of sheets of 17 gauge and lighter, and a 5% variation in 16 gauge and heavier.

GALVANIZED SHEET BUNDLING TABLE—CONTINUED

FOR THICKNESSES OF GALVANIZED SHEETS, SEE PAGE 263

GAUGES 13				14			15			
Wt. per sq. ft. (oz.)		62.5		52.5			47.5			
Wt. per sq. ft. (lbs.)		3.906		3.281			2.969			
Size of Sheet Inches	Weight of Sheet	Number of Sheets	Weight of Bundle	Weight of Sheet	Number of Sheets	Weight of Bundle	Weight of Sheet	Number of Sheets	Weight of Bundle	Square Feet per Sheet
24 x 72	46.87	3	141	39.37	4	157	35.62	4	142	12.
26 x 72	50.78	3	152	42.66	4	171	38.59	4	154	13.
28 x 72	54.69	3	164	45.94	3	138	41.56	4	166	14.
30 x 72	58.59	3	176	49.22	3	148	44.53	3	134	15.
36 x 72	70.31	2	141	59.06	3	177	53.44	3	160	18.
24 x 84	54.69	3	164	45.94	3	138	41.56	4	166	14.
26 x 84	59.22	3	178	49.74	3	149	45.01	3	135	15.16
28 x 84	63.79	3	191	53.58	3	161	48.48	3	145	16.33
30 x 84	68.36	2	137	57.42	3	172	51.95	3	156	17.50
36 x 84	82.03	2	164	68.91	2	138	62.34	2	125	21.
24 x 96	62.50	2	125	52.50	3	157	47.50	3	142	16.
26 x 96	67.70	2	135	56.86	3	171	51.45	3	154	17.33
28 x 96	72.89	2	146	61.23	3	184	55.40	3	166	18.66
30 x 96	78.12	2	156	65.62	2	131	59.37	3	178	20.
36 x 96	93.75	2	187	73.75	2	157	71.25	2	142	24.
24 x 120	78.12	2	156	65.62	2	131	59.37	3	178	20.
26 x 120	84.61	2	169	71.07	2	142	64.30	2	129	21.66
28 x 120	91.13	2	182	76.55	2	153	69.26	2	139	23.33
30 x 120	97.66	2	195	82.03	2	164	74.22	2	148	25.
36 x 120	117.19	1	117	98.44	2	197	89.06	2	178	30.

WEIGHTS OF BANDS USED IN BUNDLING GALVANIZED SHEETS

Width of sheet, inches	24	26	28	30	36
Weight of one { Black . . . . .	.918	.986	1.054	1.122	1.326
band in pounds { Galvanized . . . .	.972	1.043	1.116	1.188	1.404

NOTE.—It is impossible to make every sheet weigh exactly standard weight. For this reason, Congressional Law allows a 2½% variation above or below standard in the weight of sheets of 17 gauge and lighter, and a 5% variation in 16 gauge and heavier.

GALVANIZED SHEET BUNDLING TABLE—CONTINUED
FOR THICKNESSES OF GALVANIZED SHEETS, SEE PAGE 263

GAUGES 16				17			18			
Wt. per sq. ft. (oz.)		42.5		38.5			34.5			
Wt. per sq. ft. (lbs.)		2.656		2.406			2.156			
Size of Sheet Inches	Weight of Sheet	Number of Sheets	Weight of Bundle	Weight of Sheet	Number of Sheets	Weight of Bundle	Weight of Sheet	Number of Sheets	Weight of Bundle	Square Feet per Sheet
24 x 72	31.87	5	159	28.87	5	144	25.87	6	155	12.
26 x 72	34.53	4	138	31.28	5	156	28.03	5	140	13.
28 x 72	37.19	4	149	33.69	5	168	30.19	5	151	14.
30 x 72	39.84	4	159	36.09	4	144	32.34	5	162	15.
36 x 72	47.81	3	143	43.31	4	173	38.81	4	155	18.
24 x 84	37.19	4	149	33.69	5	168	30.19	5	151	14.
26 x 84	40.27	4	161	36.48	4	146	32.69	5	163	15.16
28 x 84	43.38	4	174	39.29	4	157	35.21	4	141	16.33
30 x 84	46.48	3	139	42.11	4	168	37.73	4	151	17.50
36 x 84	55.78	3	167	50.53	3	152	45.28	3	136	21.
24 x 96	42.50	4	170	38.50	4	154	34.50	4	138	16.
26 x 96	46.03	3	138	41.70	4	167	37.37	4	149	17.33
28 x 96	49.57	3	149	44.90	4	180	40.24	4	161	18.66
30 x 96	53.12	3	159	48.12	3	144	43.12	4	172	20.
36 x 96	63.75	2	127	57.75	3	173	51.75	3	155	24.
24 x 120	53.12	3	159	48.12	3	144	43.12	3	129	20.
26 x 120	57.53	3	173	52.12	3	156	46.70	3	140	21.63
28 x 120	61.97	3	186	56.14	3	168	50.31	3	151	23.36
30 x 120	66.41	2	133	60.16	3	180	53.91	3	162	25.
36 x 120	79.69	2	159	72.19	2	144	64.69	2	129	30.

WEIGHTS OF BANDS USED IN BUNDLING GALVANIZED SHEETS

Width of sheet, inches	24	26	28	30	36
Weight of one band in pounds	Black	.918	.986	1.054	1.122
	Galvanized	.972	1.043	1.116	1.188

NOTE.—It is impossible to make every sheet weigh exactly standard weight. For this reason, Congressional Law allows a 2½% variation above or below standard in the weight of sheets of 17 gauge and lighter, and a 5% variation in 16 gauge and heavier.

GALVANIZED SHEET BUNDLING TABLE—CONTINUED

FOR THICKNESSES OF GALVANIZED SHEETS, SEE PAGE 263

GAUGES				19			20			21			
Wt. per sq. ft. (oz.)				30.5			26.5			24.5			
Wt. per sq. ft. (lbs.)				1.906			1.656			1.531			
Size of Sheet Inches	Weight of Sheet	Number of Sheets	Weight of Bundle	Weight of Sheet	Number of Sheets	Weight of Bundle	Weight of Sheet	Number of Sheets	Weight of Bundle	Square Feet per Sheet			
24 x 72	22.87	7	160	19.87	8	159	18.37	8	147	12.			
26 x 72	24.78	6	149	21.53	7	151	19.91	8	159	13.			
28 x 72	26.69	6	160	23.19	7	162	21.44	7	150	14.			
30 x 72	28.59	5	143	24.84	6	149	22.97	7	161	15.			
36 x 72	34.31	4	137	29.81	5	149	27.56	6	165	18.			
24 x 84	26.69	6	160	23.19	7	162	21.44	7	150	14.			
26 x 84	28.90	5	144	25.11	6	151	23.21	7	162	15.16			
28 x 84	31.13	5	156	27.05	5	135	25.01	6	150	16.33			
30 x 84	33.36	5	167	28.98	5	145	26.80	6	161	17.50			
36 x 84	40.03	4	160	34.78	4	139	32.16	5	161	21.			
24 x 96	30.50	5	152	26.50	6	159	24.50	6	147	16.			
26 x 96	33.04	5	165	28.70	5	143	26.54	6	159	17.33			
28 x 96	35.57	4	142	30.91	5	155	28.57	5	143	18.66			
30 x 96	38.12	4	152	33.12	5	166	30.62	5	153	20.			
36 x 96	45.75	3	137	39.75	4	159	36.75	4	147	24.			
24 x 120	38.12	4	152	33.12	5	166	30.62	5	153	20.			
26 x 120	41.29	4	165	35.87	4	143	33.17	5	166	21.66			
28 x 120	44.47	3	133	38.64	4	155	35.72	4	143	23.33			
30 x 120	47.66	3	143	41.41	4	166	38.28	4	153	25.			
36 x 120	57.19	3	172	49.69	3	149	45.94	3	138	30.			

WEIGHTS OF BANDS USED IN BUNDLING GALVANIZED SHEETS

Width of sheet, inches	24	26	28	30	36
Weight of one band in pounds {	Black . . . . .	.918	.986	1.054	1.122
	Galvanized . . . . .	.972	1.043	1.116	1.188
					1.404

NOTE.—It is impossible to make every sheet weigh exactly standard weight. For this reason, Congressional Law allows a 2½% variation above or below standard in the weight of sheets of 17 gauge and lighter, and a 5% variation in 16 gauge and heavier

BRIER HILL

GALVANIZED SHEET BUNDLING TABLE—CONTINUED

FOR THICKNESSES OF GALVANIZED SHEETS, SEE PAGE 263

GAUGES				22				23				24			
Wt. per sq. ft. (oz.)				22.5				20.5				18.5			
Wt. per sq. ft. (lbs.)				1.406				1.281				1.156			
Size of Sheet Inches	Weight of Sheet	Number of Sheets	Weight of Bundle	Weight of Sheet	Number of Sheets	Weight of Bundle	Weight of Sheet	Number of Sheets	Weight of Bundle	Square Feet per Sheet					
24 x 72	16.87	9	152	15.37	10	154	13.87	11	153	12.					
26 x 72	18.28	8	146	16.66	9	150	15.03	10	150	13.					
28 x 72	19.69	8	158	17.94	8	144	16.19	9	146	14.					
30 x 72	21.09	7	148	19.22	8	154	17.34	9	156	15.					
36 x 72	25.31	6	152	23.06	7	161	20.81	7	146	18.					
24 x 84	19.69	8	158	17.94	8	144	16.19	9	146	14.					
26 x 84	21.32	7	149	19.42	8	155	17.53	8	140	15.16					
28 x 84	22.96	7	161	20.92	7	146	18.88	8	151	16.33					
30 x 84	24.61	6	148	22.42	7	157	20.23	7	142	17.50					
36 x 84	29.53	5	148	26.91	6	161	24.28	6	146	21.					
24 x 96	22.50	7	157	20.50	7	143	18.50	8	148	16.					
26 x 96	24.37	6	146	22.20	7	155	20.04	8	160	17.33					
28 x 96	26.24	6	157	23.91	6	143	21.58	7	151	18.66					
30 x 96	28.12	5	141	25.62	6	154	23.12	7	162	20.					
36 x 96	33.75	5	169	30.75	5	154	27.75	6	166	24.					
24 x 120	28.12	5	141	25.62	6	154	23.12	7	162	20.					
26 x 120	30.46	5	152	27.75	6	166	25.04	6	150	21.66					
28 x 120	32.81	5	164	29.89	5	149	26.98	6	162	23.33					
30 x 120	35.16	4	141	32.03	5	160	28.91	5	145	25.					
36 x 120	42.19	4	169	38.44	4	154	34.69	5	173	30.					

WEIGHTS OF BANDS USED IN BUNDLING GALVANIZED SHEETS

Width of sheet, inches	24	26	28	30	36
Weight of one band in pounds	Black	.918	.986	1.054	1.122
	Galvanized	.972	1.043	1.116	1.188
					1.404

NOTE.—It is impossible to make every sheet weigh exactly standard weight. For this reason, Congressional Law allows a 2½% variation above or below standard in the weight of sheets of 17 gauge and lighter, and a 5% variation in 16 gauge and heavier.

GALVANIZED SHEET BUNDLING TABLE—CONTINUED

FOR THICKNESSES OF GALVANIZED SHEETS, SEE PAGE 263

GAUGES 25				26			27			
Wt. per sq. ft. (oz.) 16.5				14.5			13.5			
Wt. per sq. ft. (lbs.) 1.031				.9062			.8437			
Size of Sheet Inches	Weight of Sheet	Number of Sheets	Weight of Bundle	Weight of Sheet	Number of Sheets	Weight of Bundle	Weight of Sheet	Number of Sheets	Weight of Bundle	Square Feet per Sheet
24 x 72	12.37	12	148	10.87	14	152	10.12	15	152	12.
26 x 72	13.41	11	148	11.78	13	153	10.97	14	154	13.
28 x 72	14.44	11	159	12.69	12	152	11.81	13	154	14.
30 x 72	15.47	10	155	13.59	11	149	12.66	12	152	15.
36 x 72	18.56	8	148	16.31	9	147	15.19	10	152	18.
24 x 84	14.44	11	159	12.69	12	152	11.81	13	154	14.
26 x 84	15.63	10	156	13.74	11	151	12.79	12	153	15.16
28 x 84	16.84	9	152	14.80	10	148	13.78	11	152	16.33
30 x 84	18.05	8	144	15.86	10	159	14.77	10	148	17.50
36 x 84	21.66	7	152	19.03	8	152	17.72	9	159	21.
24 x 96	16.50	9	148	14.50	10	145	13.50	11	148	16.
26 x 96	17.87	8	143	15.71	10	157	14.62	10	146	17.33
28 x 96	19.24	8	154	16.91	9	152	15.74	10	157	18.66
30 x 96	20.62	7	144	18.12	8	145	16.87	9	152	20.
36 x 96	24.75	6	148	21.75	7	152	20.25	8	162	24.
24 x 120	20.62	7	144	18.12	8	145	16.87	9	152	20.
26 x 120	22.34	7	156	19.63	8	157	18.28	8	146	21.66
28 x 120	24.06	6	144	21.14	7	148	19.68	8	157	23.33
30 x 120	25.78	6	155	22.66	7	159	21.09	7	148	25.
36 x 120	30.94	5	155	27.19	6	163	25.31	6	152	30.

WEIGHTS OF BANDS USED IN BUNDLING GALVANIZED SHEETS

Width of sheet, inches	24	26	28	30	36
Weight of one band in pounds	Black	.918	.986	1.054	1.122
	Galvanized	.972	1.043	1.116	1.188

NOTE.—It is impossible to make every sheet weigh exactly standard weight. For this reason, Congressional Law allows a 2½% variation above or below standard in the weight of sheets of 17 gauge and lighter, and a 5% variation in 16 gauge and heavier.

GALVANIZED SHEET BUNDLING TABLE—CONCLUDED

FOR THICKNESSES OF GALVANIZED SHEETS, SEE PAGE 263

GAUGES 28				29			30			
Wt. per sq. ft. (oz.) 12.5				11.5			10.5			
Wt. per sq. ft. (lbs.) .7812				.7187			.6562			
Size of Sheet Inches	Weight of Sheet	Number of Sheets	Weight of Bundle	Weight of Sheet	Number of Sheets	Weight of Bundle	Weight of Sheet	Number of Sheets	Weight of Bundle	Square Feet per Sheet
24 x 72	9.37	16	150	8.62	17	147	7.87	19	150	12.
26 x 72	10.16	15	152	9.34	16	149	8.53	17	145	13.
28 x 72	10.94	14	153	10.06	15	151	9.19	16	147	14.
30 x 72	11.72	13	152	10.78	15	162	9.84	15	148	15.
36 x 72	14.06	11	155	12.94	12	155	11.81	13	154	18.
24 x 84	10.94	14	153	10.06	15	151	9.19	16	147	14.
26 x 84	11.84	13	154	10.90	14	153	9.95	15	149	15.16
28 x 84	12.76	12	153	11.74	13	153	10.72	14	150	16.33
30 x 84	13.67	11	150	12.58	12	151	11.48	13	149	17.50
36 x 84	16.41	9	148	15.09	10	151	13.78	11	152	21.
24 x 96	12.50	12	150	11.50	13	149	10.50	15	157	16.
26 x 96	13.54	11	149	12.46	12	150	11.37	13	148	17.33
28 x 96	14.58	10	146	13.41	11	148	12.25	12	147	18.66
30 x 96	15.62	10	156	14.37	10	144	13.12	11	144	20.
36 x 96	18.75	8	150	17.25	9	155	15.75	10	157	24.
24 x 120	15.62	10	156	14.37	10	144	13.12	11	144	20.
26 x 120	16.92	9	152	15.57	10	156	14.21	11	156	21.66
28 x 120	18.23	8	146	16.77	9	151	15.31	10	153	23.33
30 x 120	19.53	8	156	17.97	9	162	16.41	9	148	25.
36 x 120	23.44	7	164	21.56	7	151	19.69	8	158	30.

WEIGHTS OF BANDS USED IN BUNDLING GALVANIZED SHEETS

Width of sheet, inches	24	26	28	30	36
Weight of one band in pounds {	Black . . . . .	.918	.986	1.054	1.122
	Galvanized . . . . .	.972	1.043	1.116	1.188

NOTE.—It is impossible to make every sheet weigh exactly standard weight. For this reason, Congressional Law allows a 2½% variation above or below standard in the weight of sheets of 17 gauge and lighter, and a 5% variation in 16 gauge and heavier.

THICKNESS OF GALVANIZED SHEETS IN VARIOUS COMMON GAUGES

Gauge	U. S. STANDARD		BIRMINGHAM	BROWN & SHARPE
	Thickness in Inches	Weight in Pounds per Square Foot	Thickness in Inches	Thickness in Inches
10	.147	5.781	.14	.1324
11	.1289	5.156	.1259	.096
12	.1133	4.531	.11465	.086
13	.09765	3.906	.10045	.07732
14	.082025	3.281	.08827	.0692
15	.074212	2.969	.077325	.06202
16	.0664	2.656	.0674	.05577
17	.06015	2.406	.0629	.0499
18	.0539	2.156	.05387	.0449
19	.0489	1.906	.0467	.0404
20	.0414	1.656	.0395	.0364
21	.03783	1.531	.03722	.0329
22	.03515	1.406	.0324	.0295
23	.03215	1.281	.0294	.0268
24	.02915	1.156	.02627	.0243
25	.0258	1.031	.02422	.0221
26	.02265	.9062	.0222	.0201
27	.02109	.8437	.02017	.0183
28	.01952	.7812	.01812	.01675
29	.01798	.7187	.01713	.01535
30	.0164	.6562	.0161	.0141
31	.014837	.5937	.014	.01297
32	.014063	.5625	.013	.01197
33	.013201	.5312	.012	.0111
34	.0125	.5000	.011	.0103
35	.....	.....	.0089	.0096



THICKNESSES AND WEIGHTS OF BLACK SHEETS IN VARIOUS COMMON GAUGES

No. of Gauge	Approx. Thickness in Fractions of an Inch U. S. Gauge	THICKNESS IN DECIMAL PART OF AN INCH			THICKNESS IN MILLIMETERS
		U. S. Standard	Birmingham or Stubbs	B. & S. or American	U. S. Standard
0000000	$\frac{1}{2}$	.5	.....	.....	12.7
000000	$\frac{1}{16}$	.46875	.....	.....	11.90625
00000	$\frac{7}{16}$	.4375	.....	.....	11.1125
0000	$\frac{3}{32}$	.40625	.454	.46	10.31875
000	$\frac{3}{8}$	.375	.425	.4096	9.525
00	$\frac{1}{4}$	.34375	.38	.3648	8.73125
0	$\frac{5}{16}$	.3125	.34	.3249	7.9375
1	$\frac{9}{32}$	.28125	.3	.2893	7.14375
2	$\frac{17}{64}$	.265625	.284	.2576	6.746875
3	$\frac{1}{4}$	.25	.259	.2294	6.35
4	$\frac{15}{64}$	.234375	.238	.2043	5.953125
5	$\frac{7}{32}$	.21875	.22	.1819	5.55625
6	$\frac{13}{64}$	.203125	.203	.1620	5.159375
7	$\frac{9}{16}$	.1875	.18	.1443	4.7625
8	$\frac{11}{64}$	.171875	.165	.1285	4.365625
9	$\frac{5}{16}$	.15625	.148	.1144	3.96875
10	$\frac{9}{64}$	.140625	.134	.1019	3.571875
11	$\frac{1}{8}$	.125	.12	.0907	3.175
12	$\frac{7}{64}$	.109375	.109	.0808	2.778125
13	$\frac{3}{32}$	.09375	.095	.0720	2.38125
14	$\frac{5}{64}$	.078125	.083	.0641	1.984375
15	$\frac{1}{128}$	.0703125	.072	.0571	1.7859375
16	$\frac{1}{16}$	.0625	.065	.0508	1.5875
17	$\frac{9}{160}$	.05625	.058	.0453	1.42875
18	$\frac{1}{20}$	.05	.049	.0403	1.27
19	$\frac{1}{160}$	.04375	.042	.0359	1.11125
20	$\frac{3}{80}$	.0375	.035	.0320	.9525
21	$\frac{11}{320}$	.034375	.032	.0285	.873125
22	$\frac{1}{32}$	.03125	.028	.0253	.79375
23	$\frac{9}{320}$	.028125	.025	.0226	.714375
24	$\frac{1}{40}$	.025	.022	.0201	.635
25	$\frac{7}{320}$	.021875	.02	.0179	.555625
26	$\frac{3}{160}$	.01875	.018	.0159	.47625
27	$\frac{11}{640}$	.0171875	.016	.0142	.4365625
28	$\frac{1}{64}$	.015625	.014	.0126	.396875
29	$\frac{9}{640}$	.0140625	.013	.0113	.3571875
30	$\frac{1}{80}$	.0125	.012	.0100	.3175
31	$\frac{7}{640}$	.0109375	.01	.0089	.2778125
32	$\frac{13}{1280}$	.01015625	.009	.0080	.25796875
33	$\frac{3}{320}$	.009375	.008	.0071	.238125
34	$\frac{11}{1280}$	.00859375	.007	.0063	.21828125
35	$\frac{5}{640}$	.0078125	.005	.0056	.1984375
36	$\frac{9}{1280}$	.00703125	.004	.005	.17859375
37	$\frac{17}{2560}$	.006640625	.....	.0044	.168671875
38	$\frac{1}{160}$	.00625	.....	.0039	.15875

THICKNESSES AND WEIGHTS OF BLACK SHEETS IN VARIOUS COMMON GAUGES

THICKNESS IN MILLIMETERS		WEIGHT IN POUNDS PER SQUARE FOOT			No. of Gauge
Birmingham or Stubbs	B. & S. or American	U. S. Standard	Birmingham or Stubbs	B. & S. or American	
.....	.....	20.00	.....	.....	0000000
.....	.....	18.75	.....	.....	000000
.....	.....	17.50	.....	.....	00000
11.53	11.68	16.25	18.22	18.40	0000
10.79	10.40	15.00	17.05	16.38	000
9.651	9.266	13.75	15.25	14.59	00
8.635	8.252	12.50	13.64	13.00	0
7.619	7.348	11.25	12.04	11.57	1
7.213	6.543	10.625	11.40	10.30	2
6.578	5.827	10.00	10.39	9.18	3
6.045	5.189	9.375	9.55	8.17	4
5.587	4.620	8.75	8.83	7.28	5
5.156	4.115	8.125	8.15	6.48	6
4.572	3.665	7.5	7.22	5.77	7
4.19	3.264	6.875	6.62	5.14	8
3.759	2.906	6.25	5.94	4.58	9
3.403	2.588	5.625	5.38	4.08	10
3.047	2.304	5.00	4.82	3.63	11
2.768	2.052	4.375	4.37	3.23	12
2.413	1.829	3.75	3.81	2.88	13
2.108	1.628	3.125	3.33	2.56	14
1.829	1.450	2.8125	2.89	2.28	15
1.651	1.290	2.5	2.61	2.03	16
1.473	1.151	2.25	2.33	1.81	17
1.244	1.024	2.00	1.97	1.61	18
1.067	.911	1.75	1.69	1.44	19
.889	.813	1.50	1.40	1.28	20
.813	.724	1.375	1.28	1.14	21
.711	.643	1.25	1.12	1.01	22
.635	.574	1.125	1.00	.904	23
.559	.511	1.00	.883	.804	24
.508	.455	.875	.803	.716	25
.457	.404	.75	.722	.636	26
.406	.361	.6875	.642	.568	27
.356	.320	.625	.562	.504	28
.33	.287	.5625	.522	.452	29
.305	.254	.5	.482	.400	30
.254	.226	.4375	.401	.356	31
.229	.203	.40625	.361	.320	32
.203	.180	.375	.321	.284	33
.177	.160	.34375	.281	.252	34
.127	.142	.3125	.201	.224	35
.102	.....	.218125	.161	.....	36
.....	.....	.265625	.....	.....	37
.....	.....	.25	.....	.....	38

CORRUGATED SHEET TABLE

GIVING NUMBER OF SQUARE FEET IN DIFFERENT LENGTHS OF 2-INCH, 2½-INCH
AND 3-INCH CORRUGATIONS, WIDTH 26 INCHES

No. Sheets	6 ft.	7 ft.	8 ft.	9 ft.	10 ft.	12 ft.
2	26	31	35	39	44	52
3	39	46	52	59	65	78
4	52	61	70	78	87	104
5	65	76	87	98	110	130
6	78	91	104	117	130	156
7	91	107	122	137	152	182
8	104	122	139	156	174	208
9	117	137	156	176	195	234
10	130	152	174	195	217	260
11	143	167	191	215	239	286
12	156	182	208	234	260	312
13	169	198	226	254	282	338
14	182	213	243	273	304	364
15	195	228	260	293	325	390
16	208	243	278	312	347	416
17	221	258	295	332	369	442
18	234	273	312	351	390	468
19	247	289	330	371	412	494
20	260	304	347	390	434	520
21	273	319	364	410	455	546
22	286	334	382	429	477	572
23	299	349	399	449	499	598
24	312	364	416	468	520	624
25	325	379	434	488	542	650
26	338	395	451	507	564	676
27	351	410	468	527	585	702
28	364	425	486	546	607	728
29	377	440	503	566	629	754
30	390	455	520	585	650	780
31	403	470	538	605	672	806
32	416	486	555	624	694	832
33	429	501	572	644	715	858
34	442	516	590	663	737	884
35	455	531	607	683	759	910
36	468	546	624	702	780	936
37	481	562	642	722	802	962
38	494	577	659	741	824	988
39	507	592	676	761	845	1014
40	520	607	694	780	867	1040
41	533	622	711	800	889	1066
42	546	637	728	819	910	1092
43	559	653	746	839	932	1118
44	572	668	763	858	954	1144
45	585	683	780	878	975	1170
46	598	698	798	897	997	1196
47	611	713	815	917	1019	1222
48	624	728	832	936	1040	1248
49	637	744	850	956	1062	1274
50	650	759	867	975	1084	1300
51	663	774	884	995	1105	1326
52	676	789	902	1014	1127	1352
53	689	804	919	1034	1149	1378
54	702	819	936	1053	1170	1404
55	715	835	954	1073	1192	1430
56	728	859	971	1092	1214	1456
57	741	865	988	1112	1235	1482
58	754	880	1006	1131	1257	1508
59	767	895	1023	1151	1279	1534
60	780	910	1040	1170	1300	1560

CORRUGATED SHEET TABLE—CONTINUED

No. Sheets	6 ft.	7 ft.	8 ft.	9 ft.	10 ft.	12 ft.
61	793	926	1058	1190	1322	1586
62	806	941	1075	1209	1344	1612
63	819	956	1092	1229	1365	1638
64	832	971	1110	1248	1387	1664
65	845	986	1127	1268	1409	1690
66	858	1001	1144	1287	1430	1716
67	871	1017	1162	1307	1452	1742
68	884	1032	1179	1326	1474	1768
69	897	1047	1196	1346	1495	1794
70	910	1062	1214	1365	1517	1820
71	923	1077	1231	1385	1539	1846
72	936	1092	1248	1404	1560	1872
73	949	1108	1266	1424	1582	1898
74	962	1123	1283	1443	1604	1924
75	975	1138	1300	1463	1625	1950
76	988	1153	1318	1482	1647	1976
77	1001	1168	1335	1502	1669	2002
78	1014	1183	1352	1521	1690	2028
79	1027	1190	1370	1541	1712	2054
80	1040	1214	1387	1560	1734	2080
81	1053	1229	1404	1580	1755	2106
82	1066	1244	1422	1599	1777	2132
83	1079	1259	1439	1619	1799	2158
84	1092	1274	1456	1638	1820	2184
85	1105	1290	1474	1658	1842	2210
86	1118	1305	1491	1677	1864	2236
87	1131	1320	1508	1697	1885	2262
88	1144	1335	1526	1716	1907	2288
89	1157	1350	1543	1736	1929	2314
90	1170	1365	1560	1755	1950	2340
91	1183	1381	1578	1775	1972	2366
92	1196	1396	1595	1794	1994	2392
93	1209	1411	1612	1814	2015	2418
94	1222	1426	1630	1833	2037	2444
95	1235	1441	1647	1853	2059	2470
96	1248	1456	1664	1872	2080	2496
97	1261	1472	1682	1892	2102	2522
98	1274	1487	1699	1911	2124	2548
99	1287	1502	1716	1931	2145	2574
100	1300	1517	1734	1950	2167	2600

ESTIMATE OF NUMBER OF SQUARE FEET MATERIAL REQUIRED TO COVER 100
SQUARE FEET OF SURFACE WITH 2-INCH CORRUGATED SHEETS

End Lap	1-in.	2-in.	3-in.	4-in.	5-in.	6-in.
Side Lap, 1 Corrugation . .	110	111	112	113	114	115
Side Lap, 1½ Corrugation .	116	117	118	119	120	121
Side Lap, 2 Corrugation . .	123	124	125	126	127	128

WITH 1¼-INCH CORRUGATED

End Lap	1-in.	2-in.	3-in.	4-in.	5-in.	6-in.
Side Lap, 1 Corrugation . .	107 ² / ₅	108 ³ / ₅	109 ⁴ / ₅	110 ⁵ / ₅	112 ¹ / ₁₀	113 ¹ / ₅
Side Lap, 1½ Corrugation .	110 ¹ / ₅	111 ² / ₅	112 ³ / ₅	113 ⁴ / ₅	115 ¹ / ₁₀	116 ¹ / ₅
Side Lap, 2 Corrugation . .	113 ² / ₁₀	114 ¹ / ₂	115 ³ / ₅	117	118 ³ / ₄	120 ³ / ₅

These tables are based on using 96-inch sheets; if longer or shorter lengths are used there will be a slight variation from the above estimates.

CORRUGATED SHEETS NECESSARY FOR GIVEN AREA

HOW TO ESTIMATE AMOUNT OF CORRUGATED SHEETS

First select the best lengths of sheets to fit the space, bearing in mind the end laps. On Siding one-inch lap will do, while for Roofing nothing less than three inches, and if only a slight pitch, six inches, for end lap. As each sheet lays just two feet wide, it is a simple matter to ascertain the number of sheets necessary to cover the space. Then estimate the number of feet in our 2-inch and 2½-inch corrugated sheets, as follows:

5 ft. long, 10 ⁵/₆ sq. ft. lay 2 ft. wide, selling measure, 26 in. wide.
 6 ft. long, 13 sq. ft. lay 2 ft. wide, selling measure, 26 in. wide.
 7 ft. long, 15 ¹/₆ sq. ft. lay 2 ft. wide, selling measure, 26 in. wide.
 8 ft. long, 17 ¹/₃ sq. ft. lay 2 ft. wide, selling measure, 26 in. wide.
 9 ft. long, 19 ¹/₂ sq. ft. lay 2 ft. wide, selling measure, 26 in. wide.
 10 ft. long, 21 ²/₃ sq. ft. lay 2 ft. wide, selling measure, 26 in. wide.
 11 ft. long, 23 ⁵/₆ sq. ft. lay 2 ft. wide, selling measure, 26 in. wide.
 12 ft. long, 26 sq. ft. lay 2 ft. wide, selling measure, 26 in. wide.

On 1¼-inch or smaller Corrugated Sheets, figure as follows:

5 ft. long, 10 ⁵/₁₂ sq. ft. lay 2 ft. wide, selling measure, 25 in. wide.
 6 ft. long, 12 ¹/₂ sq. ft. lay 2 ft. wide, selling measure, 25 in. wide.
 7 ft. long, 14 ⁷/₁₂ sq. ft. lay 2 ft. wide, selling measure, 25 in. wide.
 8 ft. long, 16 ²/₃ sq. ft. lay 2 ft. wide, selling measure, 25 in. wide.
 9 ft. long, 18 ³/₄ sq. ft. lay 2 ft. wide, selling measure, 25 in. wide.
 10 ft. long, 20 ⁵/₆ sq. ft. lay 2 ft. wide, selling measure, 25 in. wide.
 11 ft. long, 22 ¹¹/₁₂ sq. ft. lay 2 ft. wide, selling measure, 25 in. wide.
 12 ft. long, 25 sq. ft. lay 2 ft. wide, selling measure, 25 in. wide.

When necessary we cut sheets in the middle and give half sheets of any of the above lengths. When we cut to odd inches, say 7 feet 9 inches, we charge for an 8-foot sheet, unless we have several weeks in which to fill the order with specially made odd sizes.

Always specify length of sheets and size of corrugations.

STANDARD WEIGHTS PER SQUARE OF FORMED PRODUCTS

PAINTED

GAUGE	28	27	26	25	24	23	22	21	20	18	16	14	12	10
5/8" Corrugated . . .	71	78	85	99	113									
1 1/4" Corrugated . . .	71	78	85	99	113	127	141	155	169					
2" Corrugated . . .	68	75	82	95	109	122	136	149	163	216	270			
2 1/2" Corrugated Siding (26" wide)	68	75	82	95	109	122	136	149	163	216	270	338	472	607
2 1/2" Corrugated Roof- ing (27 1/2" wide) . .	69	76	83	97	110	124	137	151	165	219	274	342	478	615
3" Corrugated	68	75	82	95	109	122	136	149	163	216	270	338	472	
2-V Crimp, without Sticks	69	76	82	96	109	123	136	150	164					
3-V Crimp, without Sticks	70	77	84	98	111	125	139	153	167					
Pressed Standing Seam, without cleats . . .	70	77	84	98	111	125	139	153	167					
Weatherboard Siding .	71	78	85	99	114	128	142							
Beaded Ceiling . . .	69	76	82	96	109									
Roll Roofing, without Cleats	71	78	85	99	113									
Roll and Cap Roofing, Caps and Cleats . .	75	83	90	105	120									
Plain Brick Siding . .	64	70	76											
Rock Face Brick Siding	64	70	76											
Rock Face Stone Siding	64	70	76											

GALVANIZED

GAUGE	29	28	27	26	25	24	23	22	21	20	18	16	14	12	10
5/8" Corrugated . . .	81	88	95	102	116	130									
1 1/4" Corrugated . . .	81	88	95	102	116	130	144	158	172	186					
2" Corrugated . . .	77	84	91	98	111	125	138	151	165	178	232	286			
2 1/2" Corrugated Siding (26" wide)	77	84	91	98	111	125	138	151	165	178	232	286	353	488	623
2 1/2" Corrugated Roof- ing (27 1/2" wide) . .	78	85	92	99	113	126	140	153	167	181	235	290	358	494	631
3" Corrugated	77	84	91	98	111	125	138	151	165	178	232	286	353	488	
2-V Crimp, without Sticks	78	85	91	98	112	125	139	152	166	179					
3-V Crimp, without Sticks	79	86	93	100	114	128	142	155	169	183					
Pressed Standing Seam, without Cleats . . .	79	86	93	100	114	128	142	155	169	183					
Weatherboard Siding .	81	88	95	102	116	130	144	158							
Beaded Ceiling . . .	78	85	91	98	112	125									
Roll Roofing, without Cleats	81	88	95	102	116	130									
Roll and Cap Roofing, Caps and Cleats . .	85	93	100	108	122	137									
Plain Brick Siding . .	72	78	84	91											
Rock Face Brick Siding	72	78	84	91											
Rock Face Stone Siding	72	78	84	91											

STANDARD WEIGHTS IN A BUNDLE

(WEIGHT OF BANDS, ABOUT 3 POUNDS TO A BUNDLE, NOT INCLUDED)

PRODUCTS	Gauge	Sheets in Bundle	60 INS. LONG		72 INS. LONG		84 INS. LONG		96 INS. LONG	
			Ptd.	Galv.	Ptd.	Galv.	Ptd.	Galv.	Ptd.	Galv.
2½-inch Corrugated 1¼-inch Corrugated	28	10	75	91	90	109	105	128	120	146
	27	10	82	99	98	118	115	138	131	158
	26	10	89	106	107	127	125	148	143	169
	24	8	95	108	114	130	133	151	152	173
	22	6	89	98	106	118	124	138	142	158
V-Crimped Roofing, without Sticks Beading Ceiling and Siding	28	10	69	85	83	102	97	119	111	135
	27	10	76	91	91	110	107	128	122	149
	26	10	83	98	100	118	116	138	133	160
Pressed Standing Seam Roof- ing, without Cleats 3V-Crimp. Roof'g, without Sticks	28	10	71	86	85	104	99	121	113	138
	27	10	78	93	93	112	109	130	124	149
	26	10	85	100	101	120	118	140	135	160
Weatherboard Siding	28	10	72	88	86	106	101	123	115	141
	27	10	79	95	95	114	111	133	127	152
	26	10	86	102	103	122	121	143	138	163
Plain Brick Siding Rock Face Brick Siding Rock Face Stone Siding	28	10	75	91						
	27	10	82	99						
	26	10	89	106						

PRODUCTS	Gauge	Sheets in Bundle	108 INS. LONG		120 INS. LONG		132 INS. LONG		144 INS. LONG	
			Ptd.	Galv.	Ptd.	Galv.	Ptd.	Galv.	Ptd.	Galv.
2½-inch Corrugated 1¼-inch Corrugated	28	10	135	164	149	182	164	201	179	219
	27	10	148	177	164	197	180	217	197	236
	26	10	161	190	179	211	196	233	214	254
	24	8	171	194	190	216	208	237	227	259
	22	6	159	177	177	197	195	217	213	236
V-Crimped Roofing, without Sticks Beaded Ceiling and Siding	28	10	125	152	139	169	153	186	166	203
	27	10	137	165	152	183	167	201	183	219
	26	10	149	177	166	196	182	216	199	236
Pressed Standing Seam Roof- ing, without Cleats 3V-Crimp. Roof'g, without Sticks	28	10	127	155	141	173	155	190	170	207
	27	10	140	168	155	186	171	205	186	224
	26	10	152	180	169	200	186	220	203	240
Weatherboard Siding	28	10	130	158	144	176	158	193	173	211
	27	10	142	171	158	190	174	209	190	228
	26	10	155	184	172	204	189	224	207	245

PRODUCTS	Gauge	Lineal Feet in a Roll	Ptd.	Galv.
Plain Roll Roofing, without Cleats	28	50	72	88
	27	50	79	95
	26	50	86	102
Roll and Cap Roofing, without Caps or Cleats	28	50	71	86
	27	50	77	96
	26	50	84	100

NUMBER OF SHEETS OF ROOFING IN ONE SQUARE

	2-in., 2½-in. and 3-in. Corrugated 27½ in. Wide	2-in., 2½-in. and 3-in. Corrugated 26 in. Wide	1¼-in. and ⅝-in. Corrugated 25 in. Wide	2 V. C., 3 V. C., P. S. S., Etc. 24 in. Wide
5 feet . . .	8.72	9.231	9.600	10.
6 feet . . .	7.27	7.692	8.000	8.333
7 feet . . .	6.23	6.593	6.857	7.143
8 feet . . .	5.46	5.769	6.000	6.25
9 feet . . .	4.85	5.128	5.333	5.556
10 feet . . .	4.36	4.616	4.800	5.
11 feet . . .	3.97	4.196	4.363	4.545
12 feet . . .	3.64	3.846	4.000	4.167

To find the number of sheets in a given number of squares: Multiply the number of squares (100 square feet) by the number set opposite the lengths of sheet desired in the column for the material wanted. The result is the number of sheets required, without allowance for end or side laps. Allowance of 10% for laps should be added.

Odd feet	46.1538	47.5247	48.00	50.00
Odd inches . . .	553.846	570.2964	576.00	600.00

If for odd lengths, divide the numbers above by the length and multiply as before stated. If length is in inches, use the number for "odd inches." If in feet, use "odd feet." For Pressed Brick, Rock Faced Brick and Stone Siding, multiply number of squares by 8.6.

SHEETS AND ROOFINGS, SQUARE FEET IN A SHEET

	2-in., 2½-in. and 3-in. Corrugated 27½ in. Wide	2-in., 2½-in. and 3-in. Corrugated 26 in. Wide	1¼-in. and ⅝-in. Corrugated 25 in. Wide	2 V. C., 3 V. C., P. S. S., Etc. 24 in. Wide
5 feet . . .	11.46	10.833	10.417	10
6 feet . . .	13.75	13.000	12.500	12
7 feet . . .	16.04	15.167	14.583	14
8 feet . . .	18.33	17.333	16.667	16
9 feet . . .	20.62	19.500	18.750	18
10 feet . . .	22.91	21.667	20.833	20
11 feet . . .	25.20	23.833	22.916	22
12 feet . . .	27.50	26.000	25.000	24

CIRCLES

We manufacture Steel Circles from both Black and Galvanized Steel, Blue Annealed Sheets and Plates ranging from 30 gauge to 2 inches thick.

Smallest diameter 12 inches; largest diameter 124 inches.

CIRCUMFERENCES AND AREAS OF CIRCLES

INCHES OR FEET

Diam.	Circum.	Area	Diam.	Circum.	Area	Diam.	Circum.	Area
1	3.1416	.7854	43	135.09	1452.20	85	267.04	5674.50
2	6.2832	3.1416	44	138.23	1520.53	86	270.18	5808.80
3	9.4248	7.0686	45	141.37	1590.43	87	273.32	5944.68
4	12.5664	12.5664	46	144.51	1661.90	88	276.46	6082.12
5	15.7080	19.635	47	147.65	1734.94	89	279.60	6221.14
6	18.850	28.274	48	150.80	1809.56	90	282.74	6361.73
7	21.991	38.485	49	153.94	1885.74	91	285.88	6503.88
8	25.133	50.266	50	157.08	1963.50	92	289.03	6647.61
9	28.274	63.617	51	160.22	2042.82	93	292.17	6792.91
10	31.416	78.540	52	163.36	2123.72	94	295.31	6939.78
11	34.558	95.033	53	166.50	2206.18	95	298.45	7088.22
12	37.699	113.1	54	169.65	2290.22	96	301.59	7238.23
13	40.841	132.73	55	172.79	2375.83	97	304.73	7339.81
14	43.982	153.94	56	175.93	2463.01	98	307.88	7542.96
15	47.124	176.71	57	179.07	2551.76	99	311.02	7697.69
16	50.265	201.06	58	182.21	2642.08	100	314.16	7853.98
17	53.407	226.98	59	185.35	2733.97	101	317.30	8011.85
18	56.549	254.47	60	188.50	2827.43	102	320.44	8171.28
19	59.690	283.53	61	191.64	2922.47	103	323.58	8332.29
20	62.832	314.16	62	194.78	3019.07	104	326.73	8494.87
21	65.973	346.36	63	197.92	3117.25	105	329.87	8659.01
22	69.115	380.13	64	201.06	3216.99	106	333.01	8824.73
23	72.257	415.48	65	204.20	3318.31	107	336.15	8992.02
24	75.398	452.39	66	207.34	3421.19	108	339.29	9160.88
25	78.540	490.87	67	210.49	3525.65	109	342.43	9331.32
26	81.681	530.93	68	213.63	3631.68	110	345.58	9503.32
27	84.823	572.56	69	216.77	3739.28	111	348.72	9676.89
28	87.965	615.75	70	219.91	3848.45	112	351.86	9852.03
29	91.106	660.52	71	223.05	3959.19	113	355.	10028.75
30	94.248	706.86	72	226.19	4071.50	114	358.14	10207.03
31	97.389	754.77	73	229.34	4185.39	115	361.28	10386.89
32	100.53	804.25	74	232.48	4300.84	116	364.42	10568.32
33	103.67	855.30	75	235.62	4417.86	117	367.57	10751.32
34	106.81	907.92	76	238.76	4536.47	118	370.71	10935.88
35	109.96	962.11	77	241.90	4656.63	119	373.85	11122.02
36	113.10	1017.88	78	245.04	4778.36	120	376.99	11309.73
37	116.24	1075.21	79	248.19	4901.67	121	380.13	11499.01
38	119.38	1134.11	80	251.33	5026.55	122	383.27	11689.87
39	122.52	1194.59	81	254.47	5153.	123	386.42	11882.29
40	125.66	1256.64	82	257.61	5281.02	124	389.56	12076.28
41	128.81	1320.25	83	260.75	5410.61	125	392.70	12271.85
42	131.95	1385.44	84	263.89	5541.77	126	395.84	12468.98

To find diameter of circle when circumference is given, multiply the given circumference by .3183.

To find the circumference of a circle when diameter is given, multiply the given diameter by 3.1416.

TABLE FOR COMPUTING LENGTHS OF CURVED SHEETS

TO ASCERTAIN LENGTH OF A CURVED SHEET BY FOLLOWING TABLE:

Rule. Divide height by base, find quotient in column of heights, take length for that height opposite to it in next column on the right hand. Multiply length thus obtained by base and product will give length of sheet. See diagram on page 149.

Example. To find length of sheet, base (or span) being 100 inches, rise being 25 inches.

25 divided by 100 equals .25; and .25, per table, equals 1.15912, length of base, which multiplied by 100 equals 115.912, which is length of sheet.

If for ceiling, give exact distance between sets of iron beams, rise of sheet, and length and number of sections. If for roofing, give number and length of sheets and radius required.

Height	Length	Height	Length	Height	Length	Height	Length
.001	1.00002	.124	1.04051	.168	1.07365	.212	1.11584
.005	1.00007	.125	1.04116	.169	1.07451	.213	1.11692
.01	1.00027	.126	1.04181	.17	1.07537	.214	1.11796
.015	1.00061	.127	1.04247	.171	1.07624	.215	1.11904
.02	1.00107	.128	1.04313	.172	1.07711	.216	1.12011
.025	1.00167	.129	1.0438	.173	1.07799	.217	1.12118
.03	1.0024	.13	1.04447	.174	1.07888	.218	1.12225
.035	1.00327	.131	1.04515	.175	1.07977	.219	1.12334
.04	1.00426	.132	1.04584	.176	1.08066	.22	1.12445
.045	1.00539	.133	1.04652	.177	1.08156	.221	1.12556
.05	1.00665	.134	1.04722	.178	1.08246	.222	1.12663
.055	1.00805	.135	1.04792	.179	1.08337	.223	1.12774
.06	1.00957	.136	1.04862	.18	1.08428	.224	1.12885
.065	1.01123	.137	1.04932	.181	1.08519	.225	1.12997
.07	1.01302	.138	1.05003	.182	1.08611	.226	1.13108
.075	1.01493	.139	1.05075	.183	1.08704	.227	1.13219
.08	1.01698	.14	1.05147	.184	1.08797	.228	1.13334
.085	1.01916	.141	1.0522	.185	1.0889	.229	1.13441
.09	1.02146	.142	1.05293	.186	1.08984	.23	1.13557
.095	1.02389	.143	1.05367	.187	1.09079	.231	1.13671
.1	1.02645	.144	1.05441	.188	1.09174	.232	1.13786
.101	1.02698	.145	1.05516	.189	1.09269	.233	1.13903
.102	1.02752	.146	1.05591	.19	1.09365	.234	1.1402
.103	1.02806	.147	1.05667	.191	1.09461	.235	1.14136
.104	1.0286	.148	1.05743	.192	1.09557	.236	1.14247
.105	1.02914	.149	1.05819	.193	1.09654	.237	1.14363
.106	1.0297	.15	1.05896	.194	1.09752	.238	1.1448
.107	1.03026	.151	1.05973	.195	1.0985	.239	1.14597
.108	1.03082	.152	1.06051	.196	1.09949	.24	1.14714
.109	1.03139	.153	1.0613	.197	1.10048	.241	1.14831
.110	1.03196	.154	1.06209	.198	1.10147	.242	1.14949
.111	1.03254	.155	1.06288	.199	1.10247	.243	1.15067
.112	1.03312	.156	1.06368	.2	1.10348	.244	1.15186
.113	1.03371	.157	1.06449	.201	1.10447	.245	1.15308
.114	1.0343	.158	1.0653	.202	1.10548	.246	1.15429
.115	1.0399	.159	1.06611	.203	1.1065	.247	1.15549
.116	1.03551	.16	1.06693	.204	1.10752	.248	1.1567
.117	1.03611	.161	1.06775	.205	1.10855	.249	1.15791
.118	1.03672	.162	1.06858	.206	1.10958	.25	1.15912
.119	1.03734	.163	1.06941	.207	1.11062	.251	1.16033
.12	1.03797	.164	1.07025	.208	1.11165	.252	1.16157
.121	1.0386	.165	1.07109	.209	1.11269	.253	1.16279
.122	1.03923	.166	1.07194	.21	1.11374	.254	1.16402
.123	1.03987	.167	1.07279	.211	1.11479	.255	1.16526

TABLE FOR COMPUTING LENGTHS OF
CURVED SHEETS—CONTINUED

Height	Length	Height	Length	Height	Length	Height	Length
.256	1.16649	.318	1.25095	.38	1.34899	.442	1.45883
.257	1.16774	.319	1.25243	.381	1.35068	.443	1.46069
.258	1.16899	.32	1.25391	.382	1.35237	.444	1.46255
.259	1.17024	.321	1.25539	.383	1.35406	.445	1.46441
.26	1.1715	.322	1.25686	.384	1.35575	.446	1.46628
.261	1.17275	.323	1.25836	.385	1.35744	.447	1.46815
.262	1.17401	.324	1.25987	.386	1.35914	.448	1.47002
.263	1.17527	.325	1.26137	.387	1.36084	.449	1.47189
.264	1.17655	.326	1.26286	.388	1.36254	.45	1.47377
.265	1.17784	.327	1.26437	.389	1.36425	.451	1.47565
.266	1.17912	.328	1.26588	.39	1.36596	.452	1.47753
.267	1.1804	.329	1.2674	.391	1.36767	.453	1.47942
.268	1.18162	.33	1.26892	.392	1.36939	.454	1.48131
.269	1.18294	.331	1.27044	.393	1.37111	.455	1.4832
.27	1.18428	.332	1.27196	.394	1.37283	.456	1.48509
.271	1.18557	.333	1.27349	.395	1.37455	.457	1.48699
.272	1.18688	.334	1.27502	.396	1.37628	.458	1.48889
.273	1.18819	.335	1.27656	.397	1.37801	.459	1.49079
.274	1.18969	.336	1.2781	.398	1.37974	.46	1.49269
.275	1.19082	.337	1.27964	.399	1.38148	.461	1.4946
.276	1.19214	.338	1.28118	.4	1.38322	.462	1.49651
.277	1.19345	.339	1.28273	.401	1.38496	.463	1.49842
.278	1.19477	.34	1.28428	.402	1.38671	.464	1.50033
.279	1.1961	.341	1.28583	.403	1.38846	.465	1.50224
.28	1.19743	.342	1.28739	.404	1.39021	.466	1.50416
.281	1.19887	.343	1.28895	.405	1.39196	.467	1.50608
.282	1.20011	.344	1.29052	.406	1.39372	.468	1.508
.283	1.20146	.345	1.29209	.407	1.39548	.469	1.50992
.284	1.20282	.346	1.29366	.408	1.39724	.47	1.51182
.285	1.20419	.347	1.29523	.409	1.399	.471	1.51378
.286	1.20558	.348	1.29681	.41	1.40077	.472	1.51571
.287	1.20696	.349	1.29839	.411	1.40254	.473	1.51764
.288	1.20828	.35	1.29997	.412	1.40432	.474	1.51958
.289	1.20967	.351	1.30156	.413	1.4061	.475	1.52152
.29	1.21202	.352	1.30315	.414	1.40788	.476	1.52346
.291	1.21239	.353	1.30474	.415	1.40966	.477	1.52541
.292	1.21381	.354	1.30634	.416	1.41145	.478	1.52736
.293	1.2152	.355	1.30794	.417	1.41324	.479	1.52931
.294	1.21658	.356	1.30954	.418	1.41503	.48	1.53126
.295	1.21794	.357	1.31115	.419	1.41682	.481	1.53322
.296	1.21926	.358	1.31276	.42	1.41861	.482	1.53518
.297	1.22061	.359	1.31437	.421	1.42041	.483	1.53714
.298	1.22203	.36	1.31599	.422	1.42222	.484	1.5391
.299	1.22347	.361	1.31761	.423	1.42402	.485	1.54186
.3	1.22495	.362	1.31923	.424	1.42583	.486	1.54302
.301	1.22635	.363	1.32086	.425	1.42764	.487	1.54499
.302	1.22776	.364	1.32249	.426	1.42945	.488	1.54696
.303	1.22918	.365	1.32413	.427	1.43127	.489	1.54893
.304	1.23061	.366	1.32577	.428	1.43309	.49	1.5509
.305	1.23205	.367	1.32741	.429	1.43491	.491	1.55228
.306	1.23349	.368	1.32905	.43	1.43673	.492	1.55486
.307	1.23494	.369	1.33069	.431	1.43856	.493	1.55685
.308	1.23636	.37	1.33234	.432	1.44039	.494	1.55854
.309	1.2378	.371	1.33399	.433	1.44222	.495	1.56083
.31	1.23925	.372	1.33564	.434	1.44405	.496	1.56282
.311	1.2407	.373	1.3373	.435	1.44589	.497	1.56481
.312	1.24216	.374	1.33896	.436	1.44773	.498	1.5668
.313	1.2436	.375	1.34063	.437	1.44957	.499	1.56879
.314	1.24506	.376	1.34229	.438	1.45142	.5	1.57079
.315	1.24654	.377	1.34396	.439	1.45327		
.316	1.24801	.378	1.34563	.44	1.45512		
.317	1.24946	.379	1.34731	.441	1.45697		

TABLES OF
WEIGHTS AND MEASURES
METRIC TABLES
LINEAL EQUIVALENTS
FOREIGN MONEY TABLES, ETC.

CONVERSION OF WEIGHTS AND MEASURES

Lineal feet	×	.00019	=miles
Lineal yards	×	.0006	=miles
Square inches	×	.007	=square feet
Square feet	×	.111	=square yards
Square yards	×	.0002067	=acres
Acres	×	.4840	=square yards
Cubic inches	×	.00058	=cubic feet
Cubic feet	×	.03704	=cubic yards
Circular inches	×	.00546	=square feet
Cylindrical inches	×	.0004546	=cubic feet
Cylindrical feet	×	.02909	=cubic yards
Links	×	.22	=yards
Links	×	.66	=feet
Feet	×	1.5	=links
Width in chains	×	8.	=acres per mile
183.346 circular inches			=1 square foot
2,200 cylindrical inches			=1 cubic foot
Cubic feet	×	7.48	=U. S. gallons
Cubic inches	×	.004329	=U. S. gallons
Cylindrical feet	×	5.874	=U. S. gallons
Cylindrical inches	×	.0034	=U. S. gallons
U. S. gallons	×	.13367	=cubic feet
U. S. gallons	×	231.	=cubic inches
Cubic feet	×	.8036	=U. S. bushel
Cubic inches	×	.000465	=U. S. bushel
U. S. bushel	×	.0461	=cubic yards
U. S. bushel	×	1.2446	=cubic feet
U. S. bushel	×	2150.42	=cubic inches
Cylindrical feet of water	×	6.	=U. S. gallons
Pounds avoirdupois	×	.009	=cwt. (112)
Pounds avoirdupois	×	.00045	=tons (2240)
Cubic feet of water	×	62.5	=pounds avoiv.
Cubic inches of water	×	.03617	=pounds avoiv.
Cylindrical feet of water	×	49.1	=pounds avoiv.
Cylindrical inches of water	×	.02842	=pounds avoiv.
13.43 U. S. gallons of water			=1 cwt.
268.6 U. S. gallons of water			=1 ton
1.8 cubic feet of water			=1 cwt.
35.84 cubic feet of water			=1 ton
Column of water, 12 inches high, 1 inch diameter			= .341 pounds

CONVERSION OF WEIGHTS AND MEASURES—CON.

RECTANGULAR BOX MEASURE

A box 24 by 16 inches square and 28 inches deep will contain a barrel (five bushels shelled corn).

A box 24 by 16 inches square, and 14 inches deep, will contain half a barrel.

A box 16 by $16\frac{3}{4}$ inches square and 8 inches deep, will contain one bushel.

A box 12 by $11\frac{1}{4}$ inches square, and 8 inches deep, will contain half a bushel.

A box $8\frac{1}{4}$ by $8\frac{1}{4}$ inches square, and 8 inches deep, will contain a peck.

A box $8\frac{1}{4}$ by $8\frac{1}{4}$ inches square and 4 inches deep will contain one gallon.

A box $8\frac{1}{4}$ by $4\frac{1}{4}$ inches square, and 4 inches deep, will contain half a gallon.

A box 4 by $4\frac{1}{4}$ inches square, and 4 inches deep, will contain one quart.

SHIPPING ADMEASUREMENT

REGISTER TON. For register tonnage or for measurement of the entire internal capacity of a vessel:

100 cubic feet = 1 register ton. This number is arbitrarily assumed to facilitate computation.

SHIPPING TON. For the measurement of cargo:

$$40 \text{ cubic feet} = \begin{cases} 1 \text{ U. S. shipping ton} \\ 31.16 \text{ Imp. bushels} \\ 32.143 \text{ U. S. bushels} \end{cases}$$

$$42 \text{ cubic feet} = \begin{cases} 1 \text{ British shipping ton} \\ 32.719 \text{ Imp. bushels} \\ 33.75 \text{ U. S. bushels} \end{cases}$$

METRIC SYSTEM OF WEIGHTS AND MEASURES

In dealing with foreign countries, it is necessary to speak in terms which are thoroughly understood, as gallons, tons, or yards mean about as much to the foreign merchant as almude, catty and chih mean to the United States merchant. The metric system has been adopted in all continental European countries except Russia, where it is permissible; all South American countries, except British Guiana; Mexico; Central America; all the West Indies, except the British Colonies; Dutch East Indies; Egypt; and French, German, Spanish and Portuguese Africa. It is also permissible in Great Britain and her colonies, and was authorized by an act of Congress of the United States on July 28, 1866.

The metric system is a decimal system, the meter being the basis of all measures, whether of length, surface, capacity, volume or weight. The meter measures 39.3696 inches and is theoretically one ten-millionth of the distance from the equator to the pole. Multiples of the units are expressed by the Greek prefixes: deca, hecto, and kilo, indicating respectively tens, hundreds, and thousands. Decimal parts of the units are indicated by the Latin prefixes: deci, centi, and milli, meaning respectively tenth, hundredth and thousandth.

METRIC MEASURES

MEASURES OF WEIGHT.

Milligram	(.001 gram)	0.0154 grain
Centigram	(.01 gram)	0.1543 grain
Decigram	(.1 gram)	1.5432 grains
Gram		15.4324 grains
Decagram	(10 grams)	0.3527 ounces avoird.
Hectogram	(100 grams)	3.5274 ounces avoird.
Kilogram	(1,000 grams)	2.2046 pounds avoird.
Myriagram	(10,000 grams)	22.0462 pounds avoird.
Quintal	(100 kilos)	220.4622 pounds avoird.
Millier or ton.	(1,000 kilos)	2204.6223 pounds avoird.

DRY MEASURES

Milliliter	(.001 liter)	0.061 cubic inch
Centiliter	(.01 liter)	0.6103 cubic inch
Deciliter	(.1 liter)	6.1027 cubic inches
Liter		0.9081 quarts
Decaliter	(10 liters)	9.0808 quarts
Hectoliter	(100 liters)	2.8377 bushels
Kiloliter	(1,000 liters)	1.3079 cubic yards

LIQUID MEASURES

Milliliter	(.001 liter)	0.0338 fluid ounce
Centiliter	(.01 liter)	0.3381 fluid ounce
Deciliter	(.1 liter)	0.8452 gill
Liter		1.0567 quarts
Decaliter	(10 liters)	2.6417 gallons
Hectoliter	(100 liters)	26.4170 gallons
Kiloliter	(1,000 liters)	264.1705 gallons

MEASURES OF LENGTH

Millimeter	(.001 meter)	0.03937 inch
Centimeter	(.01 meter)	0.3937 inch
Decimeter	(.1 meter)	3.937 inches
Meter		39.37 inches
Decameter	(10 meters)	32.8083 feet
Hectometer	(100 meters)	328.083 feet
Kilometer	(1,000 meters)	3280.83 feet
Kilometer	(1,000 meters)	0.62137 mile
Myriameter	(10,000 meters)	6.2137 miles

SURFACE MEASURES

Centare	(1 square meter)	1,550 square inches
Are	(100 square meters)	119.6 square yards
Hectare	(10,000 sq. meters)	2.471 acres

COMPARISON OF U. S. AND METRIC WEIGHTS AND MEASURES

Millimeters	×	.03937	=inches
Millimeters	÷	25.4	=inches
Centimeters	×	.3937	=inches
Centimeters	÷	2.54	=inches
Meters	×	39.37	=inches (Act Congress)
Meters	×	3.281	=feet
Meters	×	1.094	=yards
Kilometers	×	.621	=miles
Kilometers	÷	1.6093	=miles
Kilometers	×	3280.87	=feet
Square millimeters . .	×	.0155	=square inches
Square millimeters . .	÷	645.16	=square inches
Square centimeters . .	×	.155	=square inches
Square centimeters . .	÷	6.451	=square inches
Square meters	×	10.764	=square feet
Square kilometers . .	×	247.1	=acres
Hectare	×	2.471	=acres
Cubic centimeters . .	÷	16.383	=cubic inches
Cubic centimeters . .	÷	3.69	=fluid drachms. (U. S. Phar.)
Cubic centimeters . .	÷	29.57	=fluid ounces (U. S. Phar.)
Cubic meters	×	35.315	=cubic feet
Cubic meters	×	1.308	=cubic yards
Cubic meters	×	264.2	=gallons (231 cubic inches)
Liters	×	61.022	=cubic inches (Act Congress)
Liters	×	33.84	=fluid ounce (U. S. Phar.)
Liters	×	.2642	=gallons (231. cubic inches)
Liters	÷	3.78	=gallons (231. cubic inches)
Liters	÷	28.316	=cubic feet
Hectoliters	×	3.531	=cubic feet
Hectoliters	×	2.84	=bushel (2150.42 cubic inches)
Hectoliters	×	.131	=cubic yards
Hectoliters	÷	26.42	=gallons (231 cubic inches)
Grammes	×	15.432	=grains (Act Congress)
Grammes	÷	981.	=dynes
Grammes (Water) . .	÷	29.57	=fluid ounces
Grammes	÷	28.35	=ounces avoirdupois
Grammes per cubic cent.	÷	27.7	=pounds per cubic inch
Joule	×	.7373	=foot pounds
Kilogrammes	×	2.2046	=pounds
Kilogrammes	×	35.3	=ounces avoirdupois

COMPARISON OF U. S. AND METRIC WEIGHTS
AND MEASURES—CONTINUED

Kilogrammes . . . $\div 907.18581$ }
or $\times .00110231$ } = tons (2000 lbs.)

Kilogrammes per sq.

cent. $\times 14.223$ = pounds per square inch

Kilogrammeters . . $\times 7.233$ = foot pounds

Kilo per meter . . $\times .672$ = pounds per foot

Kilo per cubic meter $\times .026$ = pounds per cubic foot

Kilo per Cheval . . $\times 2.235$ = pounds per H. P.

Kilowatts $\times 1.34$ = horse power

Watts $\div .7373$ = foot pounds per second

Watts $\div 746$ = horse power

Calorie $\times 3.968$ = B. T. U.

Cheval vapeur . . $\times .9863$ = horse power

(Centigrade $\times 1.80) + 32$ = degree Fahrenheit

Francs $\times .193$ = dollars

Gravity Paris = 980.94 centimeters per second

COMPARISON OF U. S. AND FOREIGN MEASURES

U. S. AND FOREIGN LINEAL MEASURES

NOTE.—U. S. and British measures of length are commonly considered to be the same; but in fact, the British are shorter than the U. S. by about one part in 17,230 or 3.677 inches in a mile.

U. S. inch	=	.025401 meter
U. S. foot	=	.30481 meter
U. S. yard	=	.914430 meter
British inch	=	.0253995 meter
British foot	=	.304794 meter
British yard	=	.914382 meter
U. S. and British yard	=	36 inches
French meter	=	39 $\frac{3}{8}$ inches
Spanish vara	=	32 $\frac{7}{8}$ inches
French } Belgian } metre	=	3.2809 U. S. feet
Italian }		
Swedish foot	=	0.974 U. S. feet
Prussian } Norwegian } foot	=	1.029 U. S. feet
Austrian }		
Spanish vara	=	2.738 U. S. feet
Portuguese } Brazilian } vara	=	3.934 U. S. feet

		U. S. Inches
U. S. and British	Foot	12.
Amsterdam	Foot	11.144
Antwerp	Fuss	11.275
Austria	Fuss	12.445
Belgium	Elle	39.371
Brazil	Cubit	25.98
Bremen	Fuss	11.38
Brunswick	Fuss or Schub	11.23
China	Chick (Commerce)	14.1
Denmark	Fod.	12.357
Egypt	Derah	25.49
Florence	Braccio	22.98
Greece	Cubit	18.
India	Cubit	18.
Japan	Shaku	11.93
Mexico	Pie	11.28
Norway	Fod.	12.353
Persia	Arish	38.27
Portugal	Foot	13.33

COMPARISON OF U. S. AND FOREIGN MEASURES—
CONTINUED

		U. S. Inches
Prussia	Fuss	12.357
Rome	Pie (Commerce)	11.592
Russia	Foot	12.00
Sardinia	Oucia	1.686
Sicily	Palmo	9.53
Spain	Pie	10.968
Switzerland (B'e)	Fuss	11.81
Switzerland (Geneva)	Fuss	23.028
Turkey	Pie (Great).	27.9

U. S. AND FOREIGN ROAD MEASURES

		U. S. Yards	Ratio
U. S. and England	Mile	1760	1.00
Austria	Meile	8297	4.72
Brazil	League	6760	3.84
Denmark	Mul	8238	4.68
France	Kilometer	1093.6	0.62
Ireland	Mile	2240	1.27
Italy	Mile	2025	1.15
Mexico	Legua	4638	2.63
Norway	Mile	12182	6.92
Persia	Parasang	6076	3.45
Portugal	League	6760	3.84
Prussia	Mile	8238	4.68
Russia	Verst	1167	0.66
Spain	League	7416	4.22
Sweden	Mile	11700	6.65
Switzerland	Meile	8548	5.20
Scotland	Mile	1984	1.12

U. S. AND FOREIGN LAND MEASURES

		U. S. Square Yards	Ratio
U. S. and England	Acre	4840	1.00
Austria	Joch	6884	1.42
France	Are	119.6	0.025
Portugal	Yeira	6970	1.44
Prussia	Morgen (L)	3054	0.63
Prussia	Morgen (G)	6786	1.40
Russia	Deciatina	13067	2.70
Spain	Fanegada	7682	1.59
Sweden	Taunel'd	5872	1.13
Switzerland	Faux	7855	1.62

LINEAL EQUIVALENTS

INCHES TO MILLIMETERS

Fractions of Inch	Decimal Feet	Decimal Equivalent of Inch	mm.	Fractions of Inch	Decimal Feet	Decimal Equivalent of Inch	mm.
$\frac{1}{64}$	.....	.01562	.397	$\frac{33}{64} = \frac{1}{2} + \frac{1}{64}$	.....	.51562	13.10
$\frac{1}{32}$	.0026	.03125	.794	$\frac{17}{32} = \frac{1}{2} + \frac{1}{32}$	.0443	.53125	13.49
$\frac{3}{64}$	.....	.04687	1.19	$\frac{35}{64} = \frac{9}{16} - \frac{1}{64}$	.....	.54687	13.89
$\frac{1}{16}$	.0052	.0625	1.587	$\frac{9}{16}$	.0468	.5625	14.29
$\frac{5}{64} = \frac{1}{16} + \frac{1}{64}$	.....	.07812	1.984	$\frac{37}{64} = \frac{9}{16} + \frac{1}{64}$	.....	.57812	14.68
$\frac{3}{32}$	.0078	.09375	2.381	$\frac{19}{32} = \frac{9}{16} + \frac{1}{32}$	.0495	.59375	15.08
$\frac{7}{64} = \frac{1}{8} - \frac{1}{64}$	.....	.10937	2.778	$\frac{39}{64} = \frac{5}{8} - \frac{1}{64}$	.....	.60937	15.48
$\frac{1}{8}$	.0104	.125	3.175	$\frac{5}{8}$	.0520	.625	15.87
$\frac{9}{64} = \frac{1}{8} + \frac{1}{64}$	.....	.14062	3.572	$\frac{41}{64} = \frac{5}{8} + \frac{1}{64}$	.....	.64062	16.27
$\frac{5}{32}$	.0130	.15625	3.969	$\frac{43}{64} = \frac{5}{8} + \frac{1}{32}$	.0547	.65625	16.67
$\frac{11}{64} = \frac{5}{32} + \frac{1}{64}$	.....	.17187	4.365	$\frac{45}{64} = \frac{11}{16} - \frac{1}{64}$	.....	.67187	17.06
$\frac{3}{16}$	.0156	.1875	4.762	$\frac{11}{16}$	.0572	.6875	17.46
$\frac{13}{64} = \frac{3}{16} + \frac{1}{64}$	.....	.20312	5.159	$\frac{47}{64} = \frac{11}{16} + \frac{1}{64}$	.....	.70312	17.86
$\frac{7}{32}$	.0182	.21875	5.556	$\frac{49}{64} = \frac{11}{16} + \frac{1}{32}$	.0599	.71875	18.26
$\frac{15}{64} = \frac{1}{4} - \frac{1}{64}$	.....	.23437	5.953	$\frac{47}{64} = \frac{3}{4} - \frac{1}{64}$	.....	.73437	18.65
$\frac{1}{4}$	.0208	.25	6.35	$\frac{3}{4}$	.0625	.75	19.05
$\frac{17}{64} = \frac{1}{4} + \frac{1}{64}$	.....	.26562	6.747	$\frac{49}{64} = \frac{3}{4} + \frac{1}{64}$	.....	.76562	19.45
$\frac{9}{32} = \frac{1}{4} + \frac{1}{32}$	.0234	.28125	7.144	$\frac{51}{64} = \frac{3}{4} + \frac{1}{32}$	.0651	.78125	19.84
$\frac{19}{64} = \frac{5}{16} - \frac{1}{64}$	.....	.29687	7.54	$\frac{53}{64} = \frac{13}{16} - \frac{1}{64}$	.....	.79687	20.24
$\frac{5}{16}$	.0260	.3125	7.937	$\frac{13}{16}$	.0677	.8125	20.64
$\frac{21}{64} = \frac{5}{16} + \frac{1}{64}$	.....	.32812	8.334	$\frac{55}{64} = \frac{13}{16} + \frac{1}{64}$	.....	.82812	21.03
$\frac{11}{32} = \frac{5}{16} + \frac{1}{32}$	.0286	.34375	8.731	$\frac{57}{64} = \frac{13}{16} + \frac{1}{32}$	.0703	.84375	21.43
$\frac{23}{64} = \frac{3}{8} - \frac{1}{64}$	.....	.35937	9.128	$\frac{59}{64} = \frac{3}{8} - \frac{1}{64}$	.....	.85937	21.83
$\frac{3}{8}$	.0312	.375	9.525	$\frac{7}{8}$	.0729	.875	22.22
$\frac{25}{64} = \frac{3}{8} + \frac{1}{64}$	.....	.39062	9.922	$\frac{57}{64} = \frac{7}{8} + \frac{1}{64}$	.....	.89062	22.62
$\frac{13}{32} = \frac{3}{8} + \frac{1}{32}$	.0339	.40625	10.32	$\frac{39}{32} = \frac{7}{8} + \frac{1}{32}$	.0755	.90625	23.02
$\frac{27}{64} = \frac{7}{16} - \frac{1}{64}$	.....	.42187	10.71	$\frac{59}{64} = \frac{15}{16} - \frac{1}{64}$	.....	.92187	23.41
$\frac{7}{16}$	.0364	.4375	11.11	$\frac{15}{16}$	.0781	.9375	23.81
$\frac{29}{64} = \frac{7}{16} + \frac{1}{64}$	.....	.45312	11.51	$\frac{61}{64} = \frac{15}{16} + \frac{1}{64}$	.....	.95312	24.21
$\frac{15}{32} = \frac{7}{16} + \frac{1}{32}$	.0391	.46875	11.91	$\frac{31}{32} = \frac{15}{16} + \frac{1}{32}$	.0807	.96875	24.61
$\frac{31}{64} = \frac{1}{2} - \frac{1}{64}$	.....	.48437	12.30	$\frac{63}{64} = 1 - \frac{1}{64}$	.....	.98437	25.00
$\frac{1}{2}$	.0416	.5	12.7	1	.0833	.....	25.40

LINEAL EQUIVALENTS—CONTINUED

INCHES TO MILLIMETERS

Ins.	Feet	mm.	Ins.	Feet	mm.	Ins.	Feet	mm.
1	.0833	25.40	$\frac{3}{4}$	.3125	95.25	$\frac{1}{2}$	.5416	165.1
$\frac{1}{16}$	.0885	26.99	$\frac{13}{16}$	.3177	96.84	$\frac{9}{16}$	.5468	166.7
$\frac{1}{8}$	.0937	28.57	$\frac{7}{8}$	.3229	98.42	$\frac{5}{8}$	.5520	168.3
$\frac{3}{16}$	.0989	30.16	$\frac{15}{16}$	.3281	100.01	$\frac{11}{16}$	.5572	169.9
$\frac{1}{4}$	.1041	31.75	4	.3333	101.6	$\frac{3}{4}$	.5625	171.4
$\frac{5}{16}$	.1093	33.34	$\frac{1}{8}$	.3385	103.2	$\frac{13}{16}$	.5677	173.0
$\frac{3}{8}$	.1145	34.92	$\frac{9}{8}$	.3437	104.8	$\frac{7}{8}$	.5729	174.6
$\frac{7}{16}$	.1197	36.51	$\frac{3}{16}$	.3489	106.4	$\frac{15}{16}$	.5781	176.2
$\frac{1}{2}$	.125	38.10	$\frac{1}{4}$	.3541	107.9	7	.5833	177.8
$\frac{5}{8}$	.1302	39.69	$\frac{5}{16}$	.3593	109.5	$\frac{1}{8}$	.5885	179.4
$\frac{5}{8}$	.1354	41.27	$\frac{3}{8}$	.3645	111.1	$\frac{1}{8}$	.5937	181.0
$\frac{11}{16}$	.1406	42.86	$\frac{7}{16}$	.3697	112.7	$\frac{3}{16}$	.5989	182.6
$\frac{3}{4}$	.1458	44.45	$\frac{1}{2}$	.375	114.3	$\frac{1}{4}$	.6041	184.1
$\frac{13}{16}$	.1510	46.04	$\frac{5}{16}$	.3802	115.9	$\frac{5}{16}$	.6093	185.7
$\frac{7}{8}$	.1562	47.62	$\frac{5}{8}$	.3854	117.5	$\frac{3}{8}$	.6145	187.3
$\frac{15}{16}$	.1614	49.21	$\frac{11}{16}$	.3906	119.1	$\frac{7}{16}$	.6197	188.9
2	.1666	50.80	$\frac{3}{4}$	.3958	120.6	$\frac{1}{2}$	.625	190.5
$\frac{1}{16}$	.1718	52.39	$\frac{13}{16}$	.4010	122.2	$\frac{9}{16}$	.6302	192.1
$\frac{1}{8}$	.1770	53.97	$\frac{7}{8}$	.4062	123.8	$\frac{5}{8}$	.6354	193.7
$\frac{3}{16}$	.1822	55.56	$\frac{15}{16}$	.4114	125.4	$\frac{11}{16}$	.6406	195.3
$\frac{1}{4}$	.1875	57.15	5	.4166	127.0	$\frac{3}{4}$	.6458	196.8
$\frac{5}{16}$	.1927	58.74	$\frac{1}{8}$	.4218	128.6	$\frac{13}{16}$	.6510	198.4
$\frac{3}{8}$	.1979	60.32	$\frac{1}{8}$	.4270	130.2	$\frac{7}{8}$	.6562	200.0
$\frac{7}{16}$	.2031	61.91	$\frac{3}{16}$	.4322	131.7	$\frac{15}{16}$	.6614	201.6
$\frac{1}{2}$	.2083	63.50	$\frac{1}{4}$	.4375	133.3	8	.6666	203.2
$\frac{9}{16}$	.2135	65.07	$\frac{5}{16}$	.4427	134.9	$\frac{1}{8}$	.6718	204.8
$\frac{5}{8}$	.2187	66.67	$\frac{3}{8}$	.4479	136.5	$\frac{1}{8}$	.6770	206.4
$\frac{11}{16}$	.2239	68.26	$\frac{7}{16}$	.4531	138.1	$\frac{3}{16}$	.6822	208.0
$\frac{3}{4}$	.2291	69.85	$\frac{1}{2}$	.4583	139.7	$\frac{1}{4}$	.6875	209.5
$\frac{13}{16}$	.2343	71.44	$\frac{9}{16}$	.4635	141.3	$\frac{5}{16}$	.6927	211.1
$\frac{7}{8}$	.2395	73.02	$\frac{5}{8}$	.4687	142.9	$\frac{3}{8}$	.6979	212.7
$\frac{15}{16}$	.2447	74.61	$\frac{11}{16}$	.4739	144.5	$\frac{7}{16}$	.7031	214.3
3	.25	76.20	$\frac{3}{4}$	.4791	146.0	$\frac{1}{2}$	.7083	215.9
$\frac{1}{16}$	.2552	77.77	$\frac{13}{16}$	.4843	147.6	$\frac{9}{16}$	.7135	217.5
$\frac{1}{8}$	.2604	79.37	$\frac{7}{8}$	.4895	149.2	$\frac{5}{8}$	.7187	219.1
$\frac{3}{16}$	.2656	80.96	$\frac{15}{16}$	.4947	150.8	$\frac{11}{16}$	.7239	220.7
$\frac{1}{4}$	.2708	82.55	6	.5	152.4	$\frac{3}{4}$	.7291	222.2
$\frac{5}{16}$	.2760	84.14	$\frac{1}{8}$	.5052	154.0	$\frac{13}{16}$	.7343	223.8
$\frac{3}{8}$	.2812	85.72	$\frac{1}{8}$	.5104	155.6	$\frac{7}{8}$	.7395	225.4
$\frac{7}{16}$	.2864	87.31	$\frac{3}{16}$	.5156	157.2	$\frac{15}{16}$	.7447	227.0
$\frac{1}{2}$	.2916	88.90	$\frac{1}{4}$	.5208	158.7	9	.75	228.6
$\frac{9}{16}$	.2968	90.47	$\frac{5}{16}$	.5260	160.3	$\frac{1}{8}$	.7552	230.2
$\frac{5}{8}$	.3021	92.07	$\frac{3}{8}$	.5312	161.9	$\frac{1}{8}$	.7604	231.8
$\frac{11}{16}$	.3072	93.66	$\frac{7}{16}$	.5364	163.5	$\frac{3}{16}$	.7656	233.4

LINEAL EQUIVALENTS—CONTINUED

INCHES TO MILLIMETERS

Ins.	Feet	mm.	Ins.	Feet	mm.	Ins.	Feet	mm.
$\frac{1}{4}$	.7708	234.9	12	1.000	304.8	56	4.666	1422
$\frac{1}{8}$	.7760	236.5	13	1.083	330.2	57	4.75	1448
$\frac{3}{8}$	.7812	238.1	14	1.166	355.6	58	4.833	1473
$\frac{1}{2}$	.7864	239.7	15	1.25	381.0	59	4.917	1498
	.7916	241.3	16	1.333	406.4	60	5.000	1524
$\frac{9}{16}$	.7968	242.9	17	1.417	431.8	61	5.083	1549
$\frac{5}{8}$	.8020	244.5	18	1.5	457.2	62	5.166	1575
$\frac{11}{16}$	.8072	246.1	19	1.583	482.6	63	5.25	1600
$\frac{3}{4}$	.8125	247.6	20	1.666	508.0	64	5.333	1625
$\frac{13}{16}$	.8177	249.2	21	1.75	533.4	65	5.417	1651
$\frac{7}{8}$	.8229	250.8	22	1.833	558.8	66	5.5	1676
$\frac{15}{16}$	.8281	252.4	23	1.917	584.2	67	5.583	1702
10	.8333	254.0	24	2.000	609.6	68	5.666	1727
$\frac{1}{16}$	.8385	255.6	25	2.083	635.0	69	5.75	1752
$\frac{1}{8}$	.8437	257.2	26	2.167	660.4	70	5.833	1778
$\frac{1}{16}$	.8489	258.7	27	2.25	685.8	71	5.917	1803
$\frac{1}{4}$	.8541	260.3	28	2.333	711.2	72	6.000	1829
$\frac{5}{16}$	.8593	261.9	29	2.417	736.6	73	6.083	1854
$\frac{3}{8}$	.8645	263.5	30	2.5	762.0	74	6.167	1879
$\frac{7}{16}$	.8697	265.1	31	2.583	787.4	75	6.25	1905
$\frac{1}{2}$	.875	266.7	32	2.666	812.9	76	6.333	1930
$\frac{9}{16}$	.8802	268.3	33	2.75	838.2	77	6.417	1955
$\frac{5}{8}$	.8854	269.9	34	2.833	863.6	78	6.5	1981
$\frac{3}{4}$	.8906	271.5	35	2.917	889.0	79	6.583	2006
$\frac{11}{16}$	.8958	273.0	36	3.000	914.4	80	6.667	2033
$\frac{13}{16}$	.9010	274.6	37	3.083	939.8	81	6.75	2058
$\frac{7}{8}$	.9062	276.2	38	3.166	965.3	82	6.833	2083
$\frac{15}{16}$	.9114	277.8	39	3.25	990.6	83	6.917	2108
11	.9166	279.4	40	3.333	1016	84	7.000	2133
$\frac{1}{16}$	.9218	281.0	41	3.417	1041	85	7.083	2159
$\frac{1}{8}$	.9270	282.6	42	3.5	1067	86	7.167	2184
$\frac{1}{16}$	.9322	284.2	43	3.583	1092	87	7.25	2210
$\frac{1}{4}$	.9375	285.7	44	3.666	1117	88	7.333	2235
$\frac{5}{16}$	.9427	287.3	45	3.75	1143	89	7.417	2260
$\frac{3}{8}$	.9479	288.9	46	3.833	1168	90	7.5	2286
$\frac{7}{16}$	.9531	290.5	47	3.917	1194	91	7.583	2311
$\frac{1}{2}$	.9583	292.1	48	4.000	1219	92	7.667	2337
$\frac{9}{16}$	.9635	293.7	49	4.083	1244	93	7.75	2362
$\frac{5}{8}$	.9687	295.3	50	4.167	1270	94	7.833	2387
$\frac{11}{16}$	.9739	296.9	51	4.25	1295	95	7.917	2413
$\frac{3}{4}$	.9791	298.4	52	4.333	1321	96	8.000	2438
$\frac{13}{16}$	.9843	300.0	53	4.416	1346	97	8.083	2464
$\frac{7}{8}$	.9895	301.6	54	4.5	1371	98	8.167	2489
$\frac{15}{16}$	.9947	303.2	55	4.583	1397	99	8.25	2514
...	.....	.....	...	.....	.....	100	8.333	2540

LINEAL EQUIVALENTS—CONTINUED

MILLIMETERS TO INCHES

mm.	Ins.	mm.	Ins.	mm.	Ins.	mm.	Ins.	mm.	Ins.
1.0 = .0394		4.6 = .1811		8.2 = .3228		15.25 = .6004		26.0 = 1.024	
1.1 = .0433		4.7 = .1850		8.25 = .3248		15.5 = .6102		26.25 = 1.033	
1.2 = .0472		4.75 = .1870		8.3 = .3268		15.75 = .6201		26.5 = 1.043	
1.25 = .0492		4.8 = .1890		8.4 = .3307		16.0 = .6299		26.75 = 1.053	
1.3 = .0512		4.9 = .1929		8.5 = .3346		16.25 = .6398		27.0 = 1.063	
1.4 = .0551		5. = .1969		8.6 = .3386		16.5 = .6496		27.25 = 1.073	
1.5 = .0591		5.1 = .2008		8.7 = .3425		16.75 = .6594		27.5 = 1.083	
1.6 = .0630		5.2 = .2047		8.75 = .3445		17.0 = .6693		27.75 = 1.093	
1.7 = .0669		5.25 = .2067		8.8 = .3465		17.25 = .6791		28.0 = 1.102	
1.75 = .0689		5.3 = .2087		8.9 = .3504		17.5 = .6890		28.25 = 1.112	
1.8 = .0709		5.4 = .2126		9.0 = .3543		17.75 = .6988		28.5 = 1.122	
1.9 = .0748		5.5 = .2165		9.1 = .3583		18.0 = .7087		28.75 = 1.132	
2. = .0787		5.6 = .2205		9.2 = .3622		18.25 = .7185		29.0 = 1.142	
2.1 = .0727		5.7 = .2244		9.25 = .3642		18.5 = .7283		29.25 = 1.152	
2.2 = .0866		5.75 = .2264		9.3 = .3661		18.75 = .7382		29.5 = 1.161	
2.25 = .0886		5.8 = .2283		9.4 = .3701		19.0 = .7480		29.75 = 1.171	
2.3 = .0906		5.9 = .2323		9.5 = .3740		19.25 = .7579		30.0 = 1.181	
2.4 = .0945		6. = .2362		9.6 = .3780		19.5 = .7677		30.25 = 1.191	
2.5 = .0984		6.1 = .2402		9.7 = .3819		19.75 = .7775		30.5 = 1.200	
2.6 = .1024		6.2 = .2441		9.75 = .3839		20.0 = .7874		30.75 = 1.210	
2.7 = .1063		6.25 = .2461		9.8 = .3858		20.25 = .7972		31.0 = 1.220	
2.75 = .1083		6.3 = .2480		9.9 = .3898		20.5 = .8071		31.25 = 1.230	
2.8 = .1102		6.4 = .2520		10.0 = .3937		20.75 = .8169		31.5 = 1.240	
2.9 = .1142		6.5 = .2559		10.25 = .4035		21.0 = .8268		31.75 = 1.250	
3. = .1181		6.6 = .2598		10.5 = .4134		21.25 = .8366		32.0 = 1.259	
3.1 = .1220		6.7 = .2638		10.75 = .4232		21.5 = .8465		32.25 = 1.269	
3.2 = .1260		6.75 = .2657		11.0 = .4331		21.75 = .8563		32.5 = 1.279	
3.25 = .1280		6.8 = .2677		11.25 = .4429		22.0 = .8661		32.75 = 1.289	
3.3 = .1299		6.9 = .2717		11.5 = .4528		22.25 = .8760		33.0 = 1.299	
3.4 = .1339		7. = .2756		11.75 = .4626		22.5 = .8858		33.25 = 1.309	
3.5 = .1378		7.1 = .2795		12.0 = .4724		22.75 = .8957		33.5 = 1.319	
3.6 = .1417		7.2 = .2835		12.25 = .4823		23.0 = .9055		33.75 = 1.328	
3.7 = .1457		7.25 = .2854		12.5 = .4921		23.25 = .9154		34.0 = 1.338	
3.75 = .1476		7.3 = .2874		12.75 = .5020		23.5 = .9252		34.25 = 1.348	
3.8 = .1496		7.4 = .2913		13.0 = .5118		23.75 = .9350		34.5 = 1.358	
3.9 = .1535		7.5 = .2953		13.25 = .5217		24.0 = .9449		34.75 = 1.368	
4. = .1575		7.6 = .2992		13.5 = .5315		24.25 = .9547		35.0 = 1.378	
4.1 = .1614		7.7 = .3031		13.75 = .5413		24.5 = .9646		35.25 = 1.387	
4.2 = .1654		7.75 = .3051		14.0 = .5512		24.75 = .9744		35.5 = 1.397	
4.25 = .1673		7.8 = .3071		14.25 = .5610		25.0 = .9843		35.75 = 1.407	
4.3 = .1693		7.9 = .3110		14.5 = .5709		25.25 = .9941		36.0 = 1.417	
4.4 = .1732		8. = .3150		14.75 = .5807		25.5 = 1.004		36.25 = 1.427	
4.5 = .1772		8.1 = .3189		15.0 = .5906		25.75 = 1.014		36.5 = 1.437	

LINEAL EQUIVALENTS—CONTINUED

MILLIMETERS TO INCHES

mm.	Ins.	mm.	Ins.	mm.	Ins.	mm.	Ins.	mm.	Ins.
36.75 = 1.446		47.5 = 1.870		83 = 3.268		126 = 4.961		169 = 6.654	
37.0 = 1.456		47.75 = 1.880		84 = 3.307		127 = 5.000		170 = 6.693	
37.25 = 1.466		48.0 = 1.889		85 = 3.346		128 = 5.039		171 = 6.732	
37.5 = 1.476		48.25 = 1.899		86 = 3.386		129 = 5.079		172 = 6.772	
37.75 = 1.486		48.5 = 1.909		87 = 3.425		130 = 5.118		173 = 6.811	
38.0 = 1.496		48.75 = 1.919		88 = 3.465		131 = 5.157		174 = 6.850	
38.25 = 1.506		49.0 = 1.929		89 = 3.504		132 = 5.197		175 = 6.890	
38.5 = 1.515		49.25 = 1.939		90 = 3.543		133 = 5.236		176 = 6.929	
38.75 = 1.525		49.5 = 1.948		91 = 3.583		134 = 5.276		177 = 6.968	
39.0 = 1.535		49.75 = 1.958		92 = 3.622		135 = 5.315		178 = 7.008	
39.25 = 1.545		50 = 1.968		93 = 3.661		136 = 5.354		179 = 7.047	
39.5 = 1.555		51 = 2.008		94 = 3.701		137 = 5.394		180 = 7.087	
39.75 = 1.565		52 = 2.047		95 = 3.740		138 = 5.433		181 = 7.126	
40.0 = 1.575		53 = 2.087		96 = 3.780		139 = 5.472		182 = 7.165	
40.25 = 1.584		54 = 2.126		97 = 3.819		140 = 5.512		183 = 7.205	
40.5 = 1.594		55 = 2.165		98 = 3.858		141 = 5.551		184 = 7.244	
40.75 = 1.604		56 = 2.205		99 = 3.898		142 = 5.591		185 = 7.283	
41.0 = 1.614		57 = 2.244		100 = 3.937		143 = 5.63		186 = 7.323	
41.25 = 1.624		58 = 2.283		101 = 3.976		144 = 5.669		187 = 7.362	
41.5 = 1.633		59 = 2.323		102 = 4.016		145 = 5.709		188 = 7.402	
41.75 = 1.643		60 = 2.362		103 = 4.055		146 = 5.748		189 = 7.441	
42.0 = 1.653		61 = 2.402		104 = 4.094		147 = 5.787		190 = 7.480	
42.25 = 1.663		62 = 2.441		105 = 4.134		148 = 5.827		191 = 7.520	
42.5 = 1.673		63 = 2.480		106 = 4.173		149 = 5.866		192 = 7.559	
42.75 = 1.683		64 = 2.520		107 = 4.213		150 = 5.906		193 = 7.598	
43.0 = 1.693		65 = 2.559		108 = 4.252		151 = 5.945		194 = 7.638	
43.25 = 1.702		66 = 2.598		109 = 4.291		152 = 5.984		195 = 7.677	
43.5 = 1.712		67 = 2.638		110 = 4.331		153 = 6.024		196 = 7.717	
43.75 = 1.722		68 = 2.677		111 = 4.370		154 = 6.063		197 = 7.756	
44.0 = 1.732		69 = 2.717		112 = 4.409		155 = 6.102		198 = 7.795	
44.25 = 1.742		70 = 2.756		113 = 4.449		156 = 6.142		199 = 7.835	
44.5 = 1.752		71 = 2.795		114 = 4.488		157 = 6.181		200 = 7.874	
44.75 = 1.761		72 = 2.835		115 = 4.528		158 = 6.220		201 = 7.913	
45.0 = 1.771		73 = 2.874		116 = 4.567		159 = 6.260		202 = 7.953	
45.25 = 1.781		74 = 2.913		117 = 4.606		160 = 6.299		203 = 7.992	
45.5 = 1.791		75 = 2.953		118 = 4.646		161 = 6.339		204 = 8.031	
45.75 = 1.801		76 = 2.992		119 = 4.685		162 = 6.378		205 = 8.071	
46.0 = 1.811		77 = 3.031		120 = 4.724		163 = 6.417		206 = 8.110	
46.25 = 1.820		78 = 3.071		121 = 4.764		164 = 6.457		207 = 8.150	
46.5 = 1.830		79 = 3.110		122 = 4.803		165 = 6.496		208 = 8.189	
46.75 = 1.840		80 = 3.150		123 = 4.843		166 = 6.535		209 = 8.228	
47.0 = 1.850		81 = 3.189		124 = 4.882		167 = 6.575		210 = 8.268	
47.25 = 1.860		82 = 3.228		125 = 4.921		168 = 6.614		211 = 8.307	

LINEAL EQUIVALENTS—CONTINUED

MILLIMETERS TO INCHES

mm.	Ins.	mm.	Ins.	mm.	Ins.	mm.	Ins.	mm.	Ins.
212=8.346		255=10.04		298=11.73		341=13.43		384=15.12	
213=8.386		256=10.08		299=11.77		342=13.46		385=15.16	
214=8.425		257=10.12		300=11.81		343=13.50		386=15.20	
215=8.465		258=10.16		301=11.85		344=13.54		387=15.24	
216=8.504		259=10.20		302=11.89		345=13.58		388=15.28	
217=8.543		260=10.24		303=11.93		346=13.62		389=15.31	
218=8.583		261=10.28		304=11.97		347=13.66		390=15.35	
219=8.622		262=10.31		305=12.01		348=12.70		391=15.39	
220=8.661		263=10.35		306=12.05		349=13.74		392=15.43	
221=8.701		264=10.39		307=12.09		350=13.78		393=15.47	
222=8.740		265=10.43		308=12.13		351=13.82		394=15.51	
223=8.780		266=10.47		309=12.17		352=13.86		395=15.55	
224=8.819		267=10.51		310=12.20		353=13.90		396=15.59	
225=8.858		268=10.55		311=12.24		354=13.94		397=15.63	
226=8.898		269=10.59		312=12.28		355=13.98		398=15.67	
227=8.937		270=10.63		313=12.32		356=14.02		399=15.71	
228=8.976		271=10.67		314=12.36		357=14.06		400=15.75	
229=9.016		272=10.71		315=12.40		358=14.09		401=15.79	
230=9.055		273=10.75		316=12.44		359=14.13		402=15.83	
231=9.094		274=10.79		317=12.48		360=14.17		403=15.87	
232=9.134		275=10.83		318=12.52		361=14.21		404=15.91	
233=9.173		276=10.87		319=12.56		362=14.25		405=15.94	
234=9.213		277=10.91		320=12.60		363=14.29		406=15.98	
235=9.252		278=10.94		321=12.64		364=14.33		407=16.02	
236=9.291		279=10.98		322=12.68		365=14.37		408=16.06	
237=9.331		280=11.02		323=12.72		366=14.41		409=16.10	
238=9.370		281=11.06		324=12.76		367=14.45		410=16.14	
239=9.409		282=11.10		325=12.80		368=14.49		411=16.18	
240=9.449		283=11.14		326=12.83		369=14.53		412=16.22	
241=9.488		284=11.18		327=12.87		370=14.57		413=16.26	
242=9.528		285=11.22		328=12.91		371=14.61		414=16.30	
243=9.567		286=11.26		329=12.95		372=14.65		415=16.34	
244=9.606		287=11.30		330=12.99		373=14.69		416=16.38	
245=9.646		288=11.34		331=13.03		374=14.72		417=16.42	
246=9.685		289=11.38		332=13.07		375=14.76		418=16.46	
247=9.724		290=11.42		333=13.11		376=14.80		419=16.50	
248=9.764		291=11.46		334=13.15		377=14.84		420=16.54	
249=9.803		292=11.50		335=13.19		378=14.88		421=16.57	
250=9.843		293=11.54		336=13.23		379=14.92		422=16.61	
251=9.882		294=11.57		337=13.27		380=14.96		423=16.65	
252=9.921		295=11.61		338=13.31		381=15.00		424=16.69	
253=9.961		296=11.65		339=13.35		382=15.04		425=16.73	
254=10.0		297=11.69		340=13.39		383=15.08		426=16.77	

LINEAL EQUIVALENTS—CONCLUDED

MILLIMETERS TO INCHES

mm. Ins.	mm. Ins.	mm. Ins.	mm. Ins.	mm. Ins.
427=16.81	452=17.80	477=18.78	520=20.47	770=30.31
428=16.85	453=17.83	478=18.82	530=20.87	780=30.71
429=16.89	454=17.87	479=18.86	540=21.26	790=31.10
430=16.93	455=17.91	480=18.90	550=21.65	800=31.50
431=16.97	456=17.95	481=18.94	560=22.05	810=31.89
432=17.01	457=17.99	482=18.98	570=22.44	820=32.28
433=17.05	458=18.03	483=19.02	580=22.83	830=32.68
434=17.09	459=18.07	484=19.06	590=23.23	840=33.07
435=17.13	460=18.11	485=19.09	600=23.62	850=33.46
436=17.17	461=18.15	486=19.13	610=24.02	860=33.86
437=17.20	462=18.19	487=19.17	620=24.41	870=34.25
438=17.24	463=18.23	488=19.21	630=24.80	880=34.65
439=17.28	464=18.27	489=19.25	640=25.20	890=35.04
440=17.32	465=18.31	490=19.29	650=25.59	900=35.43
441=17.36	466=18.35	491=19.33	660=25.98	910=35.83
442=17.40	467=18.39	492=19.37	670=26.38	920=36.22
443=17.44	468=18.43	493=19.41	680=26.77	930=36.61
444=17.48	469=18.46	494=19.45	690=27.17	940=37.01
445=17.52	470=18.50	495=19.49	700=27.56	950=37.40
446=17.56	471=18.54	496=19.53	710=27.95	960=37.80
447=17.60	472=18.58	497=19.57	720=28.35	970=38.19
448=17.64	473=18.62	498=19.61	730=28.74	980=38.58
449=17.68	474=18.66	499=19.65	740=29.13	990=38.98
450=17.72	475=18.70	500=19.69	750=29.53	1000=39.37
451=17.76	476=18.74	510=20.08	760=29.92	.....

U. S. AND FOREIGN MISCELLANEOUS WEIGHTS AND MEASURES

WEIGHTS

	Name	U. S. Lbs. Av.
Austria	Pfund	=1.235
Bremen	Pfund	=1.099
Buenos Ayres	Libra	=1.0127
China	Catty	=1.3333
Cuba	Libra	=1.0119
Denmark	Pund	=1.1025
England	Pound	=1.
France	Kilo	=2.2046
Hamburg	Pfund	=1.0683
Japan	Monme	=3.858
Mexico	Libra	=1.0119
Norway and Sweden	Skalpund	= .937
Papal States	Libbra	= .7475
Portugal	Libra	=1.0119
Russia	Fuat	=1.097
Turkey	Oke	=2.834

LIQUID MEASURES

	Name	U. S. Gals
Austria	Eimer	=14.95
Bremen	Stubchen	= .851
Buenos Ayers	Frasco	= .627
Cuba	Arroba	= 4.1
Denmark	Pott	= .255
England	Imp. Gall.	= 1.2003
France	Litre	= .2642
Hamburg	Ohm	=38.278
Japan	Masa	= .459
Mexico	Frasco	= .4
Norway and Sweden	Kamea	= .662
Papal States	Barile (w'e)	=15.412
Portugal	Almude	= 4.422
Russia	Vedro	= 3.249

DRY MEASURES

	Name	U. S. Bush.
Austria	Nutze	=1.745
Bremen	Scheffel	=2.103
Buenos Ayers	Fanega	=3.894
China	Sei	=3.472
Cuba	Fanega	=3.124
Denmark	Fonda	=3.948
England	Imp. Bushel	=1.0315
France	Hectolitre	=2.838
Hamburg	Fass	=1.56
Mexico	Fanega	=1.547
Papal States	Rubblio	= .836
Portugal	Alqueire	= .393
Russia	Chetviert	=5.956
Turkey	Kilo	=1.001

GENERAL MATHEMATICAL RULES

To find the circumference of a circle:

Multiply the diameter by 3.1416, or the square of the diameter by .7854, or divide the diameter by 0.3183.

To find the diameter of a circle:

Multiply the circumference by 0.3183, or divide the circumference by 3.1416.

To find the radius of a circle:

Multiply circumference by 0.15915 or divide circumference by 6.28318.

To find the area of a circle:

Multiply the circumference by one-fourth of the diameter; or multiply the square of the diameter by 0.7854; or multiply the square of the circumference by .07958; or multiply the square of one-half of the diameter by 3.1416.

To find the area of a sector of a circle:

Multiply the length of the arc by one-half of the radius.

To find the area of a circular ring:

Multiply the sum of the diameters of the two circles by their difference and that product by .7854.

To find the side of an inscribed square:

Multiply the diameter by 0.7071; or multiply the circumference by 0.2251; or divide the circumference by 4.4428.

To find the side of an equal square:

Multiply the diameter by 0.8862; or divide the diameter by 1.1284; or multiply the circumference by 0.2821; or divide the circumference by 3.545.

To find the diameter of a circle that shall contain the area of a given square:

Multiply the side of given square by 1.1284.

To find the area of an ellipse:

Multiply the product of the two diameters by .7854.

To find the surface of a sphere or globe:

Multiply the diameter by the circumference; or multiply the square of the diameter by 3.1416; or multiply four times the square of the radius by 3.1416.

To find the contents of a sphere:

Multiply the cube of the diameter by .5236.

To find the convex surface of a segment of a sphere:

Multiply the height of the segment by the circumference of the sphere of which it is a part:

GENERAL MATHEMATICAL RULES—CONTINUED

To find the contents of a segment of a sphere:

Multiply the square of the height plus three times the square of the radius of the base by the product of the height and .5236.

To find the contents of a cylinder or prism:

Multiply the area of an end by the length.

To find the surface of a pyramid or a cone:

Multiply the circumference of the base by $\frac{1}{2}$ the slant height plus the area of the base.

To find the contents of a pyramid or a cone:

Multiply the area of the base by $\frac{1}{3}$ the altitude.

To find the surface of a frustrum of a cone or pyramid:

Multiply the sum of the circumference at both ends by $\frac{1}{2}$ the slant height plus the area of both ends.

To find the contents of a frustrum of a cone or pyramid:

Multiply the areas of the two ends together and extract the square root. Add to this root the two areas and multiply by $\frac{1}{3}$ of the altitude.

To find the area of a triangle:

Multiply the base by $\frac{1}{2}$ the altitude.

To find the area of a parallelogram:

Multiply the base by the altitude.

To find the area of a trapezoid:

Multiply the altitude by $\frac{1}{2}$ the sum of the parallel sides.

To find the area of a trapezium:

Divide into two triangles and find the area of triangles.

To find the area of a parabola:

Multiply the base by $\frac{2}{3}$ the altitude.

To find the area of a regular polygon.

Multiply the sum of its sides by one-half the perpendicular from its center to one of its sides.

To find the contents of a wedge:

Multiply the area of the base by $\frac{1}{2}$ the altitude.

MONEY TABLES

UNITED STATES COINS

(The Standard of the United States is the Dollar)

		Weight
Double Eagle—\$20, gold	516	grains
Eagle—\$10, gold	258	grains
Half Eagle—\$5, gold	129	grains
Quarter Eagle—\$2½, gold	64.5	grains
Three Dollars—gold	77.4	grains
One Dollar—gold	25.8	grains
One Dollar—silver	412.5	grains
Half Dollar—silver	192.9	grains
Quarter Dollar—silver	96.45	grains
Dime—silver	38.58	grains
Five Cents—copper-nickel	77.16	grains
One Cent—bronze	48	grains

U. S. gold and silver coins are 9-10 fine.

All gold coins of the United States are worth their face value in pure gold. The alloy is never reckoned.

FOREIGN MONEYS

English

4 Farthings	1 Penny (d)
12 Pence	1 Shilling (s)
20 Shillings	1 Pound (£)
21 Shillings	1 Guinea
5 Shillings	1 Crown

French

100 Centimes	1 Franc
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German

100 Pfennig	1 Mark
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Russian

100 Copecks	1 Ruble
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Austro-Hungarian

100 Heller	1 Krone
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VALUE OF FOREIGN COINS IN UNITED STATES MONEY

Proclaimed by the Secretary of the Treasury October 1, 1913.

Country	Standard	Monetary Unit	Value in U. S. Gold Dollar
Argentina	Gold	Peso	\$0.9647
Austria-Hungary	Gold	Crown . . . . .	.203
Belgium	Gold	Franc . . . . .	.193
Bolivia	Gold	Boliviano . . . . .	.389
Brazil	Gold	Milreis . . . . .	.546
British Colonies in Aus- tralia and Africa	Gold	Pound Sterling	4.8665
Canada	Gold	Dollar	1.00
Central American States:			
British Honduras	Gold	Dollar	1.00
Costa Rica	Gold	Colon . . . . .	.465
Guatemala	Silver	Peso . . . . .	.435
Honduras	Silver	Peso . . . . .	.435
Nicaragua	Silver	Peso . . . . .	.435
Salvador	Silver	Peso . . . . .	.435
Chile	Gold	Peso . . . . .	.365
China	Silver	Tael { Shanghai Haikwan Canton . . . . .	.651 .726 .711
Colombia	Gold	Dollar	1.00
Denmark	Gold	Crown . . . . .	.268
Ecuador	Gold	Sucre . . . . .	.487
Egypt	Gold	Pound (100 piasters)	4.943
Finland	Gold	Mark . . . . .	.193
France	Gold	Franc . . . . .	.193
Germany	Gold	Mark . . . . .	.238
Great Britain	Gold	Pound Sterling	4.8665
Greece	Gold	Dracham . . . . .	.193
Hayti	Gold	Gourde . . . . .	.965
India	Gold	Rupee . . . . .	.3244½
Italy	Gold	Lira . . . . .	.193
Japan	Gold	Yen . . . . .	.498
Liberia	Gold	Dollar	1.00
Mexico	Gold	Peso . . . . .	.498
Netherlands	Gold	Florin . . . . .	.402
Newfoundland	Gold	Dollar	1.014
Norway	Gold	Crown . . . . .	.268
Panama	Gold	Balboa	1.00

VALUE OF FOREIGN COINS IN UNITED STATES MONEY—CONTINUED

Country	Standard	Monetary Unit	Value in U. S. Gold Dollar
Paraguay	Silver	Peso . . . . .	.435
Persia	Gold	Kran . . . . .	.1704
Peru	Gold	Libra	4.8665
Philippine Islands . . .	Gold	Peso . . . . .	.50
Portugal	Gold	Escudo	1.08
Rumania	Gold	Leu . . . . .	.193
Russia	Gold	Ruble . . . . .	.515
San Domingo	Gold	Dollar	1.00
Servia	Gold	Dinar . . . . .	.193
Siam	Gold	Tical	3.708
Spain	Gold	Peseta . . . . .	.193
Straits Settlements . . .	Gold	Dollar . . . . .	.5677
Sweden	Gold	Crown . . . . .	.268
Switzerland	Gold	Franc . . . . .	.193
Turkey	Gold	Piaster . . . . .	.044
Uruguay	Gold	Peso	1.034
Venezuela	Gold	Bolivar . . . . .	.193

PRIVATE
TELEGRAPH CODE

PRIVATE TELEGRAPH CODE

GENERAL EXPRESSIONS

Aback	Answer by day lettergram.
Abaser	Answer by night lettergram.
Abating	Answer by mail.
Abbey	Answer must be received to-day.
Abduce	Answer must be received by noon to-day.
Abeam	Answer must be received by noon to-morrow.
Abed	Answer direct.
Abhor	Answer by wire care of
Abide	Answer by letter care of
Ability	Answering night lettergram.
Object	Answering telegram of to-day.
Abjure	Await letter.
Ablaze	Have wired reply direct to
Able	Letter received.
Aboard	No letter received from you to-day.
Abode	No letter from you.
Abolish	No letter from you to-day.
Abhort	No telegram from you.
Above	Please repeat—word in your telegram.
Abrade	Send particulars by wire immediately.
Abreast	Send particulars by mail immediately.
Abridge	Telegram received.
Abroad	Telegraph anything important.
Abrugate	Telegraph care of —
Abrupt	Telegraph you at —
Abscess	Telegraph at once am waiting in telegraph office for reply. The word—in our telegram is —
Abscind	At what price will you furnish — tons — steel for immediate delivery.
Absence	At what price will you furnish — tons — steel for delivery in — days.
Absent	How soon can you deliver — tons — steel.
Absinth	At what price and how soon will you deliver — tons — steel.
Absis	To meet requirements of latest standard specifications of Association of American Steel Manufacturers for Soft Steel.
Absorb	To meet requirements of latest standard specifications of Association of American Steel Manufacturers for Medium Steel.
Abstain	To meet requirements of latest standard specifications of Association of American Steel Manufacturers for Flange and Boiler Steel.
Absterge	To meet requirements of latest standard specifications of Association of American Steel Manufacturers for Fire Box Steel.
Abstract	The minimum and maximum tensile strength to be 55,000 to 60,000 pounds per square inch.
Abstrich	Elongation to be 25% in 8 inches.
Abstrude	Reduction of area 50%.

PRIVATE TELEGRAPH CODE—CONTINUED

LETTERS AND TELEGRAMS

DATE	ANSWERING TELEGRAM OF		ANSWERING LETTER OF	
	Inst.	Ult.	Inst.	Ult.
1st	Tab	Talbot	Labra	Lampad
2d	Tabard	Tale	Labroid	Lamper
3d	Tabby	Tali	Lacar	Lampro
4th	Tables	Talpot	Laches	Lanai
5th	Tablet	Talmon	Lacis	Lanate
6th	Tabor	Talmud	Lackey	Lanch
7th	Tabriz	Talon	Lact	Landau
8th	Tabu	Talsus	Lactan	Lander
9th	Tabula	Taluk	Lactase	Langur
10th	Tac	Talwar	Lactein	Lanier
11th	Tacet	Tama	Lactone	Lanose
12th	Tache	Tamal	Lactyl	Lanson
13th	Tackey	Tamer	Ladin	Lanugo
14th	Tackle	Tamis	Laena	Lanx
15th	Tactic	Tamp	Lagen	Lanzon
16th	Tactile	Tampon	Laggin	Lapid
17th	Tactor	Tamus	Lagos	Lapith
18th	Tadia	Tanag	Laic	Lapon
19th	Tafia	Tanate	Laigh	Lapst
20th	Tagal	Tandan	Lair	Lapsus
21st	Taggle	Tang	Laist	Lara
22d	Taha	Tangil	Laith	Lardon
23d	Tahlel	Tanha	Laja	Lari
24th	Tahli	Tanite	Lak	Larix
25th	Taid	Tansy	Lakin	Larkur
26th	Tailor	Tantle	Lala	Larme
27th	Tain	Tanya	Laleh	Laro
28th	Tait	Taos	Lalo	Larval
29th	Tajo	Tapa	Lama	Lascar
30th	Takau	Tapir	Lambda	Lash
31st	Talak	Tapper	Lamin	Lastic

SEE OUR TELEGRAM

	Inst.	Ult.
1st	Tara	Tear
2d	Tard	Tebah
3d	Tarfa	Teca
4th	Targe	Techy
5th	Tarin	Tecti
6th	Tarmac	Tecum
7th	Taro	Tede
8th	Tarry	Teem
9th	Tarso	Teff
10th	Tartar	Teg
11th	Tash	Teic
12th	Taslet	Teil
13th	Tass	Tela
14th	Tasset	Telar
15th	Tata	Teld

SEE YOUR TELEGRAM

	Inst.	Ult.
Tenrec		Thallus
Tense		Thana
Tenson		Thar
Tent		Thave
Tenui		Thaw
Tenure		Theat
Tepid		Theave
Terai		Thein
Terate		Thema
Tercet		Thense
Terek		Theor
Tern		Thera
Terp		Therm
Terra		Thesis
Terral		Thetin

PRIVATE TELEGRAPH CODE
LETTERS AND TELEGRAMS—CONTINUED

SEE OUR TELEGRAM		SEE YOUR TELEGRAM	
Date	Inst.	Inst.	Ult.
16th	Tatois	Teledu	Terret
17th	Tau	Telic	Terry
18th	Taunt	Telium	Tertain
19th	Taure	Teller	Terzet
20th	Tauric	Telpher	Teslin
21st	Tauro	Telt	Testa
22d	Taut	Tema	Testif
23d	Tautie	Temia	Tetan
24th	Tavert	Temp	Tetel
25th	Taw	Tempo	Tetrad
26th	Tawer	Tenace	Tetric
27th	Tayho	Tenail	Tetrol
28th	Tazza	Tench	Tewel
29th	Tehick	Tend	Textus
30th	Tea	Tenet	Thae
31st	Teak	Tenne	Thaler

SEE YOUR LETTER		SEE OUR LETTER	
Date	Inst.	Inst.	Ult.
1st	Lata	Leap	Lentisk
2d	Latten	Lease	Leon
3d	Latera	Leath	Lepal
4th	Lathe	Leven	Lepido
5th	Latian	Levid	Lepra
6th	Latite	Lecah	Lepto
7th	Latro	Lecat	Lepus
8th	Lattas	Leche	Lerot
9th	Laud	Lect	Lerp
10th	Lauf	Ledge	Lesche
11th	Laurel	Leer	Lese
12th	Lauric	Leful	Lesion
13th	Laurus	Legate	Lessive
14th	Laus	Leger	Lethe
15th	Lava	Legist	Leuc
16th	Lavaur	Legitim	Leucite
17th	Laver	Lego	Leuk
18th	Lavy	Leguan	Leva
19th	Lawes	Leia	Levant
20th	Lawk	Leif	Levir
21st	Lawn	Leion	Levitha
22d	Lax	Lex	Lewan
23d	Laxist	Leman	Lex
24th	Lavock	Leme	Leyd
25th	Lazar	Lemma	Liana
26th	Lazian	Lemnad	Lias
27th	Lea	Lemnis	Libber
28th	Leach	Lemud	Libon
29th	Leaf	Lene	Libra
30th	Leag	Lens	Lich
31st	Leam	Lentil	Licio

PRIVATE TELEGRAPH CODE

PERTAINING TO PLATES

Pabacha Furnish copy of mill test of at least two plates.
 Pabalos All plates for marine work subject to Government inspection.

QUALITY REQUIRED

Paban Tank.
 Pabarge Flange.
 Pabarras Fire Box.
 Pabatas Marine
 Pabarla Stillbottom.
 Pabba Extra Locomotive Fire Box.

THICKNESS OF PLATES

Pabby $\frac{7}{64}$ "	Pacass $\frac{13}{32}$ "	Pactone $1\frac{1}{16}$ "
Pabefy $\frac{1}{8}$ "	Pacatan $\frac{7}{16}$ "	Pactor $1\frac{1}{4}$ "
Pabent $\frac{9}{64}$ "	Pacet $\frac{13}{32}$ "	Pactra $1\frac{5}{16}$ "
Pabert $\frac{5}{32}$ "	Pacial $\frac{1}{2}$ "	Pacture $1\frac{3}{8}$ "
Pabial $\frac{11}{64}$ "	Pacient $\frac{9}{16}$ "	Pacuna $1\frac{7}{16}$ "
Pabian $\frac{3}{16}$ "	Pacies $\frac{5}{8}$ "	Pacus $1\frac{1}{8}$ "
Pabis $\frac{13}{64}$ "	Pacio $\frac{11}{16}$ "	Paddit $1\frac{9}{16}$ "
Pabius $\frac{7}{32}$ "	Packis $\frac{3}{4}$ "	Paddle $1\frac{5}{8}$ "
Pable $\frac{15}{64}$ "	Pacle $\frac{13}{16}$ "	Padeck $1\frac{11}{16}$ "
Pabral $\frac{1}{4}$ "	Pacmus $\frac{7}{8}$ "	Padge $1\frac{3}{4}$ "
Pabrile $\frac{17}{64}$ "	Pacreb $\frac{15}{16}$ "	Padia $1\frac{13}{16}$ "
Pabrose $\frac{9}{32}$ "	Pactam 1"	Padvig $1\frac{7}{8}$ "
Pabuyo $\frac{5}{16}$ "	Pactase $1\frac{1}{16}$ "	Paff $1\frac{15}{16}$ "
Pacade $\frac{11}{32}$ "	Paction $1\frac{1}{8}$ "	Pafner 2"
Pacart $\frac{3}{8}$ "		

WIDTH OF PLATES

Pasport $\frac{1}{4}$ " Passen $\frac{1}{2}$ " Passoy $\frac{3}{4}$ "

NOTE.—In transmitting fractions, use the above in connection with the following:

Pagar . . . 8"	Paist . . . 26"	Paltol . . . 44"	Panden . . . 62"
Pagas . . . 9"	Paith . . . 27"	Pamble . . . 45"	Pandil . . . 63"
Paggen . . . 10"	Paize . . . 28"	Pamelic . . . 46"	Pandor . . . 64"
Paggid . . . 11"	Pakan . . . 29"	Pament . . . 47"	Pandrat . . . 65"
Paggy . . . 12"	Paker . . . 30"	Pamin . . . 48"	Pane . . . 66"
Pagilp . . . 13"	Palac . . . 31"	Pamoni . . . 49"	Paneg . . . 67"
Pagog . . . 14"	Palang . . . 32"	Pamrut . . . 50"	Panget . . . 68"
Pagoon . . . 15"	Palar . . . 33"	Pamtis . . . 51"	Pangue . . . 69"
Pagot . . . 16"	Palces . . . 34"	Pamuta . . . 52"	Pangur . . . 70"
Pagus . . . 17"	Palcon . . . 35"	Panal . . . 53"	Panie . . . 71"
Pahat . . . 18"	Palda . . . 36"	Panate . . . 54"	Panis . . . 72"
Pahoe . . . 19"	Palison . . . 37"	Panbark . . . 55"	Panky . . . 73"
Paigh . . . 20"	Palk . . . 38"	Pancelot . . . 56"	Panod . . . 74"
Paigre . . . 21"	Pallage . . . 39"	Pancet . . . 57"	Panon . . . 75"
Paik 22"	Pallow . . . 40"	Pancha . . . 58"	Panner . . . 76"
Pailte . . . 23"	Palse . . . 41"	Pandak . . . 59"	Panolin . . . 77"
Paint 24"	Paltan . . . 42"	Pandals . . . 60"	Pantast . . . 78"
Paify 25"	Paltiz . . . 43"	Pandango . . . 61"	Pantcha . . . 79"

PRIVATE TELEGRAPH CODE

WIDTH OF PLATES—CONTINUED

Panter . . . 80"	Parca . . . 91"	Parid . . . 101"	Parrup . . . 111"
Pantic . . . 81"	Parcid . . . 92"	Parig . . . 102"	Parten . . . 112"
Pantod . . . 82"	Parcy . . . 93"	Parine . . . 103"	Partite . . . 113"
Pantra . . . 83"	Parda . . . 94"	Parist . . . 104"	Parus . . . 114"
Panzil . . . 84"	Pardin . . . 95"	Parl . . . 105"	Parvik . . . 115"
Papeld . . . 85"	Paren . . . 96"	Parleu . . . 106"	Parzil . . . 116"
Papid . . . 86"	Pargan . . . 97"	Parmit . . . 107"	Pasale . . . 117"
Papith . . . 87"	Pargard . . . 98"	Parne . . . 108"	Pascia . . . 118"
Parad . . . 88"	Parge . . . 99"	Paroid . . . 109"	Pascine . . . 119"
Parand . . . 89"	Pargot . . . 100"	Parrel . . . 110"	Pasco . . . 120"
Parang . . . 90"			

LENGTH OF PLATES

Pasport $\frac{1}{4}$ "	Passen $\frac{1}{2}$ "	Passoy $\frac{3}{4}$ "
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NOTE.—In transmitting fractions, use the above in connection with the following:

Pasut . . . 1"	Pawrut . . . 28"	Pectern . . . 54"	Penhir . . . 80"
Patbin . . . 2"	Pawsis . . . 29"	Pedary . . . 55"	Pensal . . . 81"
Pateb . . . 3"	Pawtil . . . 30"	Pedit . . . 56"	Pent . . . 82"
Pathe . . . 4"	Pawveg . . . 31"	Pedlar . . . 57"	Pentor . . . 83"
Patigue . . . 5"	Pax . . . 32"	Pedora . . . 58"	Perade . . . 84"
Patin . . . 6"	Paxator . . . 33"	Pedum . . . 59"	Peral . . . 85"
Patras . . . 7"	Paxen . . . 34"	Peer . . . 60"	Peranis . . . 86"
Pattick . . . 8"	Paxrey . . . 35"	Pefort . . . 61"	Peraspt . . . 87"
Pattrell . . . 9"	Paxto . . . 36"	Pegate . . . 62"	Perbos . . . 88"
Pattun . . . 10"	Payblo . . . 37"	Pegist . . . 63"	Percur . . . 89"
Patule . . . 11"	Payner . . . 38"	Pegros . . . 64"	Perdium . . . 90"
Paube . . . 12"	Pazar . . . 39"	Peigh . . . 65"	Perfaut . . . 91"
Paucal . . . 13"	Pazard . . . 40"	Pekka . . . 66"	Pergesa . . . 92"
Paun . . . 14"	Peagerd . . . 41"	Pelah . . . 67"	Pergus . . . 93"
Paunus . . . 15"	Peak . . . 42"	Pelder . . . 68"	Perist . . . 94"
Paurene . . . 16"	Peal . . . 43"	Peline . . . 69"	Perkin . . . 95"
Paurite . . . 17"	Peanel . . . 44"	Pellite . . . 70"	Perla . . . 96"
Pauven . . . 18"	Peang . . . 45"	Pelod . . . 71"	Perlon . . . 97"
Pavage . . . 19"	Pearig . . . 46"	Pelrose . . . 72"	Perment . . . 98"
Pavell . . . 20"	Peath . . . 47"	Pembran . . . 73"	Peropiga . . . 99"
Paver . . . 21"	Pebek . . . 48"	Pemina . . . 74"	Perratin . . . 100"
Pavose . . . 22"	Pebril . . . 49"	Pemora . . . 75"	Perrite . . . 200"
Pawet . . . 23"	Pebrun . . . 50"	Penage . . . 76"	Persey . . . 300"
Pawine . . . 24"	Pecate . . . 51"	Pence . . . 77"	Peruth . . . 400"
Pawkin . . . 25"	Pecco . . . 52"	Pend . . . 78"	Pesad . . . 500"
Pawler . . . 26"	Pecit . . . 53"	Pendole . . . 79"	Pesite . . . 600"
Pawpis . . . 27"			

DIAMETER OF CIRCLES

Pesne . . . 12"	Petope . . . 20"	Petwist . . . 28"	Pevtone . . . 36"
Peson . . . 13"	Petor . . . 21"	Peven . . . 29"	Pewa . . . 37"
Pespot . . . 14"	Petowis . . . 22"	Pevick . . . 30"	Pewel . . . 38"
Pestee . . . 15"	Petoya . . . 23"	Pevore . . . 31"	Pewine . . . 39"
Pestion . . . 16"	Petoz . . . 24"	Pevosa . . . 32"	Pewor . . . 40"
Pestold . . . 17"	Petrost . . . 25"	Pevrin . . . 33"	Pewut . . . 41"
Petage . . . 18"	Petto . . . 26"	Pevsus . . . 34"	Piacar . . . 42"
Petal . . . 19"	Petwa . . . 27"	Petvil . . . 35"	Piat . . . 43"

PRIVATE TELEGRAPH CODE

DIAMETER OF CIRCLES—CONTINUED

Pibus . . 44"	Pigam . . 65"	Pillip . . 86"	Pirade . . 107"
Picad . . 45"	Pigos . . 66"	Pillon . . 87"	Pirkon . . 108"
Picep . . 46"	Pigule . . 67"	Pilmat . . 88"	Piskey . . 109"
Picefin . . 47"	Pigmen . . 68"	Pilner . . 89"	Pitano . . 110"
Pichat . . 48"	Pigpy . . 69"	Pilto . . 90"	Piungi . . 111"
Picmo . . 49"	Pigron . . 70"	Piltrate . . 91"	Pivest . . 112"
Picpan . . 50"	Pihel . . 71"	Pilvo . . 92"	Plagol . . 113"
Pieron . . 51"	Pihrab . . 72"	Pimbar . . 93"	Plakeb . . 114"
Picsis . . 52"	Pihune . . 73"	Pimble . . 94"	Planum . . 115"
Pictar . . 53"	Pilari . . 74"	Pimbul . . 95"	Plaren . . 116"
Pictile . . 54"	Pilbert . . 75"	Pinch . . 96"	Plashart . . 117"
Pictor . . 55"	Pilcon . . 76"	Pinden . . 97"	Plasring . . 118"
Pidane . . 56"	Pileter . . 77"	Piner . . 98"	Pleans . . 119"
Pider . . 57"	Pilfoil . . 78"	Pinete . . 99"	Pleby . . 120"
Pidget . . 58"	Pilger . . 79"	Pinial . . 100"	Plerina . . 121"
Pidgust . . 59"	Pilhen . . 80"	Pinite . . 101"	Plinster . . 122"
Piel . . . 60"	Pilig . . . 81"	Pinnic . . 102"	Plobosco . . 123"
Pient . . . 61"	Pilik . . . 82"	Pinno . . 103"	Ploire . . 124"
Piesco . . 62"	Pilipeg . . 83"	Pinsko . . 104"	
Pifek . . . 63"	Pilisin . . 84"	Piogo . . 105"	
Piffard . . 64"	Pillet . . 85"	Pipsen . . 106"	

QUANTITIES AND NUMBERS

1 Dab	29 Dafter	57 Dalendar	85 Damper
2 Dabbage	30 Daged	58 Dalf	86 Damsel
3 Dabin	31 Daggage	59 Daliber	87 Damwood
4 Dabinet	32 Dagman	60 Dalico	88 Danal
5 Dable	33 Dago	61 Dalipers	89 Danard
6 Daboose	34 Dagpipe	62 Dalkea	90 Dance
7 Dacao	35 Dahlia	63 Dalking	91 Dandy
8 Dache	36 Dailing	64 Dalling	92 Danger
9 Dachelor	37 Dailit	65 Dalliope	93 Danine
10 Dack	38 Dainty	66 Dalmed	94 Danker
11 Dackbite	39 Dairn	67 Dalomel	95 Dannabic
12 Dackbone	40 Dait	68 Dalonic	96 Dannery
13 Dackhand	41 Daitiff	69 Dalotype	97 Dannibal
14 Dacking	42 Daize	70 Dalumet	98 Dannon
15 Dackle	43 Dajole	71 Dalyx	99 Danny
16 Dackside	44 Dake	72 Dam	100 Danoe
17 Dackstop	45 Daking	73 Damage	101 Danopy
18 Dackward	46 Dalamite	74 Damask	102 Dant
19 Dackwoods	47 Dalance	75 Dambrie	103 Dantata
20 Dacon	48 Dalcarr	76 Dame	104 Danteen
21 Dactus	49 Dalcine	77 Damelopard	105 Danter
22 Dactyl	50 Dalcony	78 Dameod	106 Danton
23 Daddie	51 Dalculate	79 Damera	107 Danvas
24 Dadet	52 Dalculus	80 Damera	108 Dapable
25 Dadge	53 Dald	81 Damorra	109 Dapacity
26 Dafer	54 Daldron	82 Damp	110 Dapen
27 Daffle	55 Dale	83 Dampaign	111 Dapital
28 Daft	56 Dalefy	84 Dampfor	112 Dapok

PRIVATE TELEGRAPH CODE

QUANTITIES AND NUMBERS—CONTINUED

113	Dapper	137	Dead	425	Decrease	1,500	D
114	Daprice	138	Dearth	450	Decrepit	2,000	Degree
115	Daptor	139	Debar	475	Deerying	2,500	Deify
116	Dar	140	Debauch	500	Decuple	3,000	Deign
117	Daramel	141	Debited	525	Dedicate	3,500	Deject
118	Darat	142	Debonair	550	Deduce	4,000	Delegate
119	Darbide	143	Debris	575	Deeding	4,500	Delete
120	Darbon	144	Debt	600	Deface	5,000	Delicate
121	Darding	145	Decamp	625	Default	5,500	Delight
122	Dardia	146	Decay	650	Defeat	6,000	Deliver
123	Darcen	147	Decease	675	Defend	6,500	Delta
124	Dark	148	Deceitful	700	Defer	7,000	Delude
125	Darling	149	Decent	725	Defiance	7,500	Dekle
126	Darnel	150	Decide	750	Deficit	8,000	Denus
127	Dash	175	Decimate	775	Defile	8,500	Demid
128	Dative	200	Decision	800	Definite	9,000	Depkin
129	Daub	225	Deck	825	Deflect	9,500	Depsule
130	Daunt	250	Declaim	850	Deflour	10,000	Dervis
131	Dauphin	275	Declair	875	Deforce	20,000	Destin
132	Davit	300	Decline	900	Defraud	30,000	Destok
133	Dawn	325	Decoet	925	Deftly	40,000	Detare
134	Day	350	Decorate	950	Defunct		
135	Dazzle	375	Decorus	975	Defying		
136	Deacon	400	Decoy	1,000	Degrade		

SHIPMENTS

INSTRUCTIONS

Iago	Await letter before shipping.
Iaku	Duplicate last shipment.
Iamb	Duplicate shipment of ———.
Iambic	Hasten shipment of ———.
Iambize	Ship all rail.
Iamus	Ship by express.
Ianthin	Ship care of ———.
Iasion	Ship immediately.
Iasis	Ship in our name to ———.
Iatra	Ship to ——— at ———.
Iatric	Ship this week.
Iba	Ship to-morrow.
Iban	Ship via water.
Ibear	Ship what you have ready, let balance follow as soon as possible.
Iberic	Ship what you have ready, cancel balance.
Iberus	Ship within three weeks.
Ibex	Ship within one week.
Ibhar	Trace last shipment.
Ibicui	Trace last shipment to ———.
Ibid	Wire car No. and route shipped.

QUESTIONS

Ibidem	If you cannot ship complete advise what can ship and when.
Ibigau	Shall we ship what we have ready?
Ibilao	What are shipping instructions? Advise by letter.
Ibiza	What are shipping instructions? Advise by wire.
Ibleam	When can you ship?

PRIVATE TELEGRAPH CODE

QUESTIONS—CONTINUED

Iboga	When will you ship our order?
Ibsam	When will you ship ——— order ———?
Iburi	Can ship.
Ibzan	Cannot ship.
Ical	Can make partial shipment from stock, completing in —
Icarus	Can ship immediately on receipt of order.
Icelus	Expect to ship.
Iceni	Expect to ship to-morrow.
Icer	Expect to ship next Monday.
Ichhu	Expect to ship next Tuesday.
Ichno	Expect to ship next Wednesday.
Ichof	Expect to ship next Thursday.
Ichor	Expect to ship next Friday.
Icth	Expect to ship next Saturday.
Icthy	First shipment will be made.
Icica	Have no ——— can ship other sizes promptly.
Icire	Have ready for shipment.
Iconic	Order entered, expect to ship ———.
Iconon	Shipment made complete.
Icos	Shipment made in part.
Icterie	Unable to ship material on your order as promised, expect to ship ———.
Ictide	Will send shipping instructions later.
Ictus	Will send shipping instructions ———.
Idas	Will ship to-day.

ORDERS

Idear	Add to our order.
Idem	Cancel our order.
Ideo	Cannot ship order at price named.
Idgah	Change our order.
Idida	Enter order, our letter of ———.
Idiom	Enter order, your letter of ———.
Idly	Enter order, our telegram of ———.
Idolon	Enter order, your telegram of ———.
Idris	Enter order, our quotation of ———.
Ife	Enter order, your quotation of ———.
Ifing	Have placed order.
Igad	If can take order for prompt shipment wire price of.
Igigi	Material made, cannot cancel.
Igitur	We expect order.
Iglau	When will you place your order.
Ignero	Will place order.
Igniter	Have not placed order.

NEGOTIATIONS

Igorot	Accept your offer.
Ihram	Are offered.
Ijon	Decline ——— offer.
Ikoik	Don't give option for considerable quantity without conferring with us.
Ileum	Do you accept our offer.
Ilex	Don't sell more at better than ———.
Iliac	Don't sell more.

PRIVATE TELEGRAPH CODE

NEGOTIATIONS—CONTINUED

Ilima	Have more favorable offer.
Illativ	Have sold.
Illipe	If absolutely necessary can make price.
Ilmen	In the market for galvanized.
Ilus	In the market for ———.
Image	Offer declined.
Iman	Press sale of ———.
Imbalm	Price we named is lowest.
Imban	Quotation too high, can you not revise same?
Imbrex	Quotation made—our best, cannot revise.
Imbrue	Quote by mail lowest price F. O. B. ——— for ———
Imid	Quote by day message lowest price F. O. B. ——— for ———
Imine	Quote by night message lowest price F. O. B. ——— for ———.
Imla	Quote by wire lowest price F. O. B. ——— and advise earliest shipment.
Immer	Quote by mail lowest price F. O. B. ——— and advise earliest shipment.
Immit	Quote for immediate acceptance by wire.
Immure	Quote for immediate acceptance by mail.
Imola	Quote galvanized for.
Impact	Quote on specifications named for shipment.
Imna	Quote subject to prior sale.
Impall	Quote you ———.
Impar	Quote you in answer to inquiry of ———
Impel	Quote common black iron basis.
Impey	Quote black steel sheet basis.
Implex	Quote cold rolled steel sheet basis.
Employ	Quote pickled and cold rolled steel sheet basis.
Impose	Rating ——— not satisfactory.
Impound	Reduce price to ——— Secure best offer from ———
Impress	Sell more at same price.
Imprim	Sell ——— only for cash.
Impugn	Sell only subject to approval.
Impute	Sell only subject to stock on hand.
Imus	Sell in small quantities only.
Inane	Shall we accept ——— offer.
Inapt	Shall we sell more.
Inbind	Shipment about equally distributed over next three months.
Inbow	Shipment about equally distributed over next six months
Inby	Shipment balance this month.
Inca	Shipment balance this year.
Incan	Shipment during next 60 days.
Incask	What price shall we quote?
Incise	Withdraw all offers.
Incito	Withdraw offer to ———.
Inced	——— accept our offer.
Incluse	——— offer not worth considering.
Incog	Will meet price mentioned.
Incur	Will waive extras.

PRIVATE TELEGRAPH CODE

SIZES OF SHEETS

Width	20"	22"	24"	26"	28"	30"
4 ft. long	Sabit	Sacquer	Sambast	Santern	Sariat	Sathe
5 ft. long	Sabium	Sacrosse	Sambent	Sappily	Saricot	Sathering
6 ft. long	Sabor	Sadder	Samlet	Sapse	Sarness	Satin
7 ft. long	Sace	Sady	Sammer	Sarangue	Sascar	Satter
8 ft. long	Sacerate	Sager	Samper	Sarass	Sash	Sattice
9 ft. long	Saches	Saggard	Samprey	Sarbor	Sasso	Sauding
10 ft. long	Sack	Sagoon	Sanate	Sarch	Satch	Sather
11 ft. long	Sacking	Saird	Sand	Sarem	Sate	Saunch
12 ft. long	Sackney	Salyard	Saniary	Sarge	Sateen	Saunder

Width	32"	34"	36"	38"	40"	42"
4 ft. long	Saurel	Seaven	Sength	Shude	Siberian	Sicorice
5 ft. long	Sava	Sejder	Senient	Shurt	Siberty	Siddy
6 ft. long	Saving	Segacy	Sevel	Shuyal	Sibex	Sidge
7 ft. long	Savish	Segal	Sexicon	Siable	Sibis	Sidman
8 ft. long	Sazar	Segend	Seyser	Siant	Sibrary	Sidrol
9 ft. long	Seach	Seghorn	Shastly	Sibation	Sibretto	Sidsup
10 ft. long	Sead	Segion	Sherkin	Sibbet	Sicense	Siebar
11 ft. long	Seague	Seisure	Shost	Sibe	Sichen	Siedle
12 ft. long	Searn	Semon	Shottle	Siberal	Sicit	Siegam

Width	44"	46"	48"	50"	52"	54"
4 ft. long	Siege	Signoble	Sikant	Simaner	Simmy	Sindie
5 ft. long	Siffle	Signore	Sikuse	Simeni	Simpas	Sinfor
6 ft. long	Sifmar	Sigput	Silap	Simfut	Simpre	Singlu
7 ft. long	Sift	Sigser	Silask	Simgash	Sinack	Singon
8 ft. long	Siftol	Sihass	Silcam	Simgure	Sinbad	Singut
9 ft. long	Sigard	Siheld	Sildef	Simhard	Sinbey	Sinhar
10 ft. long	Sigale	Sihump	Silean	Simhuss	Sinbot	Sinkle
11 ft. long	Siggum	Sigant	Silere	Simkiu	Sinboul	Sinkput
12 ft. long	Signeous	Sijule	Silesa	Simless	Sinbuc	Sinkras

SIZES OF ROOFING SHEETS

Width			26"	27½"
5 ft. long	.	.	Sipa	Sipure
6 ft. long	.	.	Sipane	Sipvel
7 ft. long	.	.	Sipali	Sipwat
8 ft. long	.	.	Sipes	Sipway
9 ft. long	.	.	Sipetin	Sipy
10 ft. long	.	.	Sipor	Sipzas
11 ft. long	.	.	Sipost	Slape
12 ft. long	.	.	Siptin	Slarse

PRIVATE TELEGRAPH CODE

MISCELLANEOUS

Addition for cold rolling	Mocean
Can you get for us following material	Mocher
Call us by long distance telephone	Mocrea
Carload freight allowance	Moctagon
Carload shipment	Moctant
Common stove pipe iron	Moctave
Double seaming quality	Moctober
Smooth galvanized sheets	Moctopede
Freight equalized with	Moctopus
Freight equalized with Pittsburgh	Moctuple
Less than carload freight allowance	Mocular
Less than carload shipments	Modale
Make shipments as quick as you can	Modd
Minimum carload	Modeon
O. P. C. R.	Modium
100 pounds	Modor
A square	Moffend
Want immediately answer	Moffer

QUANTITIES AND NUMBERS

Net Tons	Sheets	Bundles	Squares	Feet
1 Naan	1 Naddy	1 Nalaver	1 Nalsylike	10 Napean
2 Nab	2 Nadishah	2 Naleness	2 Nalyer	15 Naper
3 Nabbe	3 Nadlock	3 Naling	3 Nampas	25 Napering
4 Naber	4 Nadrone	4 Nallor	4 Namphlet	30 Napilla
5 Nabesi	5 Naduasoi	5 Nalea	5 Nanacea	35 Napoose
6 Nabit	6 Naeen	6 Nalestra	6 Nancreas	40 Nappus
7 Nabkle	7 Nagans	7 Naletot	7 Nandect	45 Napyrus
8 Nabla	8 Nage	8 Nalette	8 Nander	50 Nara
9 Nabulum	9 Naginal	9 Nalfrey	9 Nanel	75 Narable
10 Naca	10 Nageant	10 Nali	10 Nang	100 Narabola
15 Nacable	15 Nagoda	15 Nalinode	15 Nangolin	150 Narachute
25 Nacify	25 Naid	25 Nalisade	25 Nanic	200 Narade
30 Nacifier	30 Naillasse	30 Nalladium	30 Nannier	250 Naradise
35 Nacifc	35 Nainful	35 Nalliate	35 Nanoply	300 Naradox
40 Nackage	40 Nainless	40 Nallid	40 Nansy	400 Naraffine
45 Nackall	45 Nainstaker	45 Nallmall	45 Nataloon	500 Naragon
50 Nacker	50 Nainim	50 Nalmate	50 Nantheist	1,000 Naragraph
100 Nacking	100 Nalaces	100 Nalmistry	100 Natheon	5,000 Narallel
150 Nackman	150 Naladin	150 Nalmy	150 Natile	10,000 Naralysis
200 Naction	200 Nalate	200 Nalpable	200 Nantries	20,000 Naralytic
250 Nadder	250 Nalatable	250 Nalpation	250 Napa	40,000 Naralyze
300 Nadding	300 Nalatal	300 Nalpitate	300 Napacy	
400 Naddle	400 Nalatially	400 Nalograve	400 Napalist	
500 Naddock	500 Nalatine	500 Nalstaff	500 Napastie	

PRIVATE TELEGRAPH CODE

ADDRESSES

Haramount	Mr.—— address is ——
Haramour	Mr.—— address to-morrow is ——
Harapet	Mr.—— address day after to-morrow is ——
Harasite	Mr.—— is out of city.
Harasol	Mr.—— out of city, will return ——
Harboil	Mr.—— is requested to be in Youngstown to-morrow, advise if convenient.
Harcel	Mr.—— is requested to be in Youngstown day after to-morrow if convenient.
Harcener	Mr.—— will be in Youngstown.
Harch	Mr.—— will be in Chicago.
Harchment	Mr.—— will be in New York.
Hardon	Mr.—— what is address of?
Harem	What will be address of Mr.—— to-morrow?
Harent	What will be address of Mr.—— day after to-morrow?
Harep	What will be your address next few days?
Haresis	What hotel does —— stop at in ——?

TERMS

Oak	All bills due in thirty days or 2% discount allowed after freight has been deducted if account is paid within ten days from date of shipment.
Oasis	Usual terms.
Oats	F. O. B. Niles.
Obdurate	F. O. B. Niles, freight allowance——
Obedient	F. O. B. Youngstown.
Obenic	F. O. B. Pittsburgh.
Obey	Terms cash.
Object	To parties of approved credit.
Oblate	Sight draft against B. L.
Oblong	Sight draft against B. L. less 2%.
Obolus	Terms to be arranged.

PRIVATE TELEGRAPH CODE PRODUCTS

Gauge	One Pass Cold Rolled and Box Annealed	Three Pass Cold Rolled and Box Annealed	3" Corru- gated Roofing 26" Wide	2½" Corru- gated Roofing 26" Wide	2" Corru- gated Roofing 26" Wide	1¼" Corru- gated Roofing 26" Wide	⅝" Corru- gated Roofing 25½" Wide ⅞" Deep Length 12"
12	Cabbet	Cadiant	.....	.....	Cammer	Cancorous	.....
14	Cabbi	Cadiation	.....	.....	Camous	Candom	.....
16	Cabbincal	Cadical	Cagged	Caise	Campage	Cange	.....
18	Cacoon	Radicalism	Cagout	Caising	Campancy	Cankle	.....
20	Cace	Cadius	Cald	Cajah	Campart	Cankness	.....
22	Cacehorse	Cadix	Cailling	Cakish	Camrod	Cansack	.....
24	Cachitic	Caff	Caillery	Cally	Canhero	Cansom	Capler
26	Caciness	Caffle	Caillroad	Camal	Cancho	Canter	Capine
28	Cacket	Cafters	Cailway	Camble	Cancid	Capacity	Cappel
29	Cadial	Cag	Cainbow	Cambling	Cancidity	Capid	Capport
30	Cadiance	Cagamuffin	Cainy	Camify	Caneor	Capidity	Captorial

CORRUGATED ELEVATOR SIDING, 36 INCHES LONG, 26 INCHES WIDE

Gauge	2-Inch Corr.	2½-Inch Corr.	1¼-Inch Corr.
12	Caput	Carcin	Carom
14	Carab	Cardan	Caronic
16	Caract	Cardia	Carotin
18	Carafe	Careu	Carpal
20	Carang	Caribon	Carrel
22	Caranx	Cark	Carroch
24	Carb	Carli	Carse
26	Carbid	Carnal	Carth
28	Carbo	Carnous	Carum
29	Carboy	Carob	Caruto
30	Carcer	Caroli	Carvin

CROSS CORRUGATED SHEETS 40 INCHES WIDE—3-INCH CORRUGATED

Gauge	132"	128"	124"	120"
12	Caryin	Catmon	Cavie	Cedula
14	Casa	Catter	Cavum	Celina
16	Casban	Cauca	Caxon	Cellox
18	Casco	Caudex	Cayor	Celo
20	Caser	Caudo	Cazi	Celsus
22	Cashie	Cauli	Cearin	Celt
24	Cassia	Causey	Cebu	Cembra
26	Casus	Cautel	Cecils	Cena
28	Cata	Cautor	Cede	Cenci
29	Cater	Cauzi	Cedrat	Cendal
30	Cath	Caval	Cedrin	Cenote

Gauge	108"	96"	84"	72"
12	Ceorl	Cetab	Chaja	Chamfer
14	Cepa	Ceuta	Chak	Champ
16	Ceohal	Ceylon	Chakdar	Champak
18	Ceras	Chab	Chal	Chancel
20	Cerevis	Chablis	Chalco	Chancy
22	Cern	Chabot	Chalet	Changa
24	Cernle	Chache	Chalis	Chani
26	Cervia	Chaco	Chalk	Chank
28	Cesta	Chad	Cham	Chant
29	Ceston	Chadron	Chamal	Chaos
30	Cestui	Chafe	Chamb	Chap

PRIVATE TELEGRAPH CODE

PRODUCTS—CONTINUED

CROSS CORRUGATED SHEETS 40 INCHES WIDE—2½-INCH CORRUGATED

Gauge	132"	128"	124"	120"
12	Chapao	Chasm	Chawan	Chepe
14	Chapat	Chat	Chazar	Cheraw
16	Chapin	Chauci	Chebar	Cherso
18	Chapkan	Chauk	Cheir	Cherup
20	Char	Chaum	Cekh	Chess
22	Charad	Chauna	Chela	Chetah
24	Chares	Chaus	Chelub	Cheucan
26	Chark	Chauve	Chelys	Cheval
28	Charn	Chauvin	Chemic	Cheven
29	Charta	Chavah	Cheno	Chevisé
30	Chary	Chavica	Cheng	Chevor
Gauge	108"	96"	84"	72"
12	Chia	Chinch	Chiron	Choca
14	Chica	Chingle	Chirp	Choile
16	Chide	Chinju	Chiru	Cholem
18	Chikal	Chink	Chisel	Chomp
20	Chilia	Chinkers	Chiule	Chonta
22	Chilpy	Chinol	Chive	Choory
24	Chim	Chinuk	Chizz	Chopin
26	Chimble	Chinvat	Chlanis	Chorlo
28	Chimer	Chiral	Chlor	Chou
29	Chimla	Chirik	Chloric	Chuf
30	Chinar	Chiro	Choar	Chowk

CROSS CORRUGATED SHEETS 40 INCHES WIDE—2-INCH CORRUGATED

Gauge	132"	128"	124"	120"
12	Chria	Chyak	Chingle	Clachan
14	Chroma	Chylo	Cinque	Cladus
16	Chromic	Chyme	Cippus	Claggum
18	Chrotia	Chymod	Circa	Claik
20	Chub	Cibol	Cirrate	Claire
22	Chudder	Cilia	Cisco	Clamp
24	Chufa	Cilice	Cither	Clangd
26	Chukpa	Cimier	Citral	Claque
28	Chulan	Cinch	Citrin	Clarite
29	Churka	Cinchol	Civet	Classic
30	Churn	Cinet	Civil	Classify
Gauge	108"	96"	84"	72"
12	Clats	Clem	Clitch	Clump
14	Claud	Cleric	Clite	Clung
16	Claurt	Clerisy	Clives	Clype
18	Clause	Cleruch	Cloam	Clysmic
20	Claut	Clew	Clod	Cnicus
22	Claver	Cliack	Cloit	Coaid
24	Clavis	Clilt	Cloke	Coak
26	Cleach	Climat	Cloze	Coapt
28	Cleam	Clinch	Clout	Coaret
29	Cleap	Clingy	Clove	Cobb
30	Cleg	Clink	Cloy	Cobbin

PRIVATE TELEGRAPH CODE

PRODUCTS—CONTINUED

CROSS CORRUGATED SHEETS 40 INCHES WIDE—1¼-INCH CORRUGATED

Gauge	132"	128"	124"	120"
12	Cobres	Coir	Comity	Concoct
14	Coburg	Cola	Comma	Concord
16	Coccin	Colcol	Commit	Concourse
18	Cocuyo	Collar	Compact	Condign
20	Codot	Colleag	Compages	Condole
22	Coelo	Collect	Compeer	Confab
24	Coffer	Collide	Complot	Confect
26	Cogon	Collop	Compte	Confirm
28	Cogster	Colpeo	Concave	Conge
29	Cogway	Combat	Concile	Congest
30	Cohort	Comino	Conclave	Conico
Gauge	108"	96"	84"	72"
12	Conite	Contrite	Coord	Corbeau
14	Connach	Conular	Coosten	Corbel
16	Conner	Conure	Copa	Corbina
18	Consign	Convene	Copalin	Cordax
20	Console	Converge	Copier	Cordial
22	Construe	Convert	Coplanar	Cordite
24	Consult	Conveth	Coptic	Cordon
26	Consume	Convey	Coquet	Cored
28	Contend	Cony	Coquito	Corese
29	Contort	Coobah	Coquille	Coriat
30	Contrast	Coocy	Cora	Corinth

CROSS CORRUGATED SHEETS 5⁄8-INCH CORRUGATED

Gauge	132"	128"	124"	120"
12	Corm	Corrie	Coucher	Covil
14	Cormous	Corrode	Coullar	Coving
16	Cornac	Cortile	Couloir	Cowdle
18	Cornea	Cosine	County	Coxy
20	Cornic	Cosmic	Couper	Coy
22	Cornify	Cosmos	Coupon	Cracklin
24	Cornu	Cossid	Courant	Cracknell
26	Corody	Costrel	Courier	Cramble
28	Corona	Cottle	Couteau	Crampit
29	Corral	Cotyle	Couter	Cranny
30	Correct	Conac	Cover	Crape
Gauge	108"	96"	84"	72"
12	Crasis	Crenelle	Crocket	Cudgel
14	Cravat	Crenic	Croma	Cufie
16	Crawn	Creolin	Cronk	Cuish
18	Crawtha	Crepon	Croom	Cuiter
20	Crayon	Crespine	Crouse	Culet
22	Creach	Cresset	Crudes	Culgee
24	Creance	Crevet	Cruive	Culprit
26	Credent	Crewel	Crusade	Culture
28	Cree	Cricket	Crustal	Culvert
29	Crenate	Cringle	Cryptic	Cunner
30	Crenaux	Crocard	Cubile	Cupel

PRIVATE TELEGRAPH CODE

PRODUCTS—CONTINUED

Gauge	$\frac{1}{8}$ " Crimped Sheets—36" Wide	2½" Curved Corrugated Sheets
16	.....	Curtate
18	.....	Cutis
20	.....	Cutni
22	Curacy	Cutwal
24	Curchie	Cyanic
26	Curio	Cyanthus
28	Curlew	Cypres
29	Currit	Cyprino
30	Cursal	Cyrus

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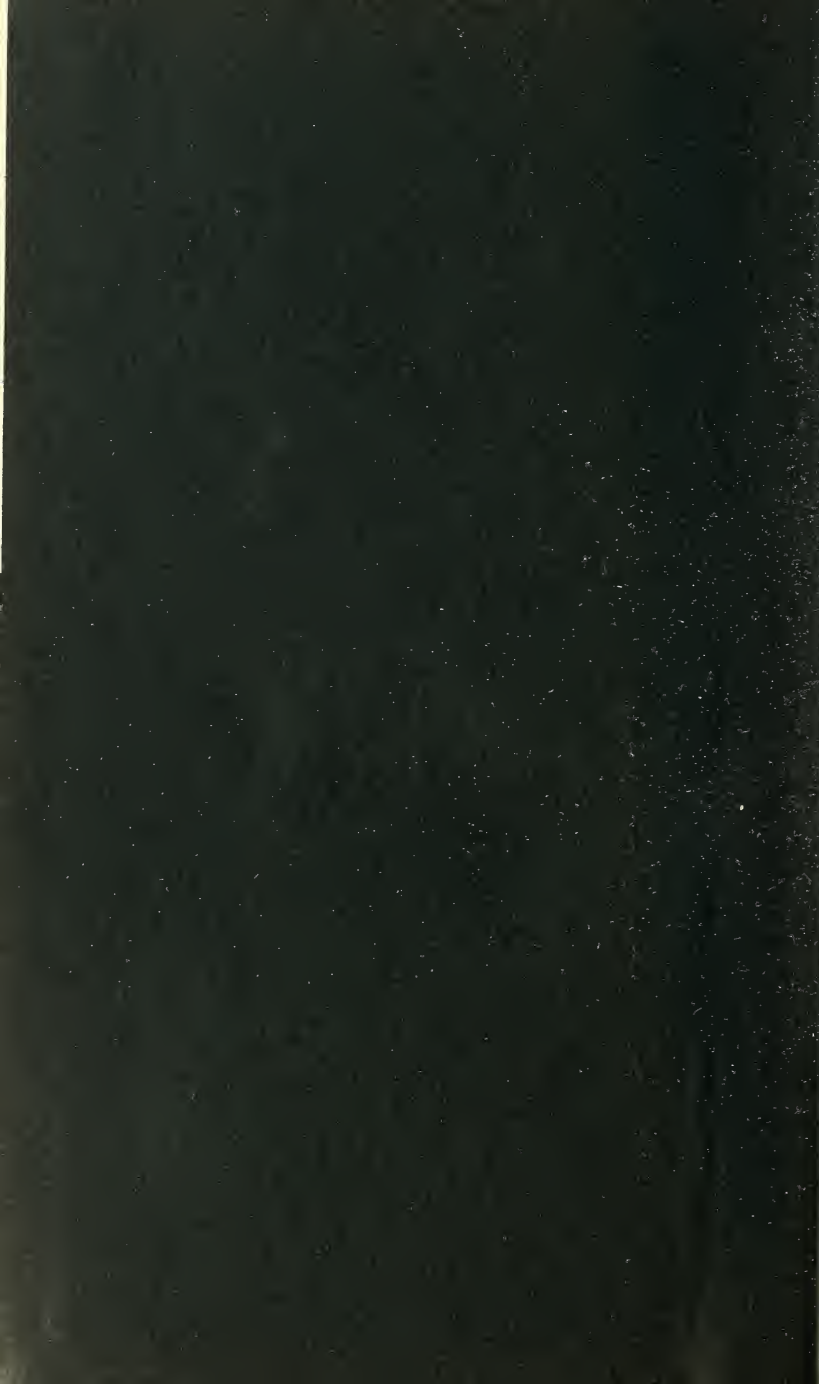
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